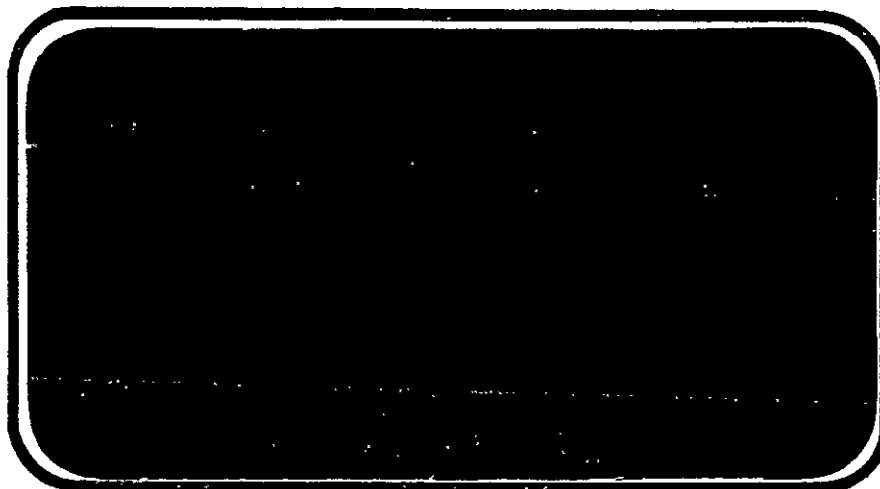




NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

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(NASA-CR-144587) AERODYNAMIC RESULTS OF
WIND TUNNEL TESTS ON A 0.010-SCALE MODEL
(32-QTS) SPACE SHUTTLE INTEGRATED VEHICLE IN
THE ABDC VKF-40-INCH SUPERSONIC WIND TUNNEL
(IA61) (Chrysler Corp.) 642 p HC \$16.25

N76-18215

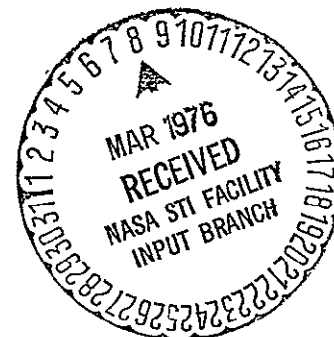
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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT



JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANAGEMENT services

SPACE DIVISION



CHRYSLER
CORPORATION

January, 1976

DMS-DR-2143
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AERODYNAMIC RESULTS OF WIND TUNNEL TESTS ON
AN 0.010-SCALE MODEL (32-OTS) SPACE
SHUTTLE INTEGRATED VEHICLE IN THE AEDC
VKF 40-INCH SUPERSONIC WIND TUNNEL (IA61)

by

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Prepared under NASA Contract Number NAS9-13247

by

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National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: AEDC-VA422
NASA Series Number: IA61
Model Number: 32-OTS
Test Dates: January 30, 1974
Occupancy Hours: 10

FACILITY COORDINATOR:

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AERODYNAMIC RESULTS OF WIND TUNNEL TESTS ON
AN 0.010-SCALE MODEL (32-OTS) SPACE
SHUTTLE INTEGRATED VEHICLE IN THE AEDC
VKF 40-INCH SUPERSONIC WIND TUNNEL (IA61)

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ABSTRACT

Presented herein are both plotted and tabulated aerodynamic coefficient data from a wind tunnel test of the integrated Space Shuttle Vehicle (Configuration 3) in the Arnold Engineering Development Center yon Karman Gas Dynamics Facility 40-inch Supersonic (Mach = 4.5) Wind Tunnel (Tunnel A).

The primary test objective was to determine proximity force and moment data for the Orbiter/External Tank and SRB with and without separation rockets firing for both single and dual booster runs. Data were obtained at three points ($t = 0, 1.25, \text{ and } 2.0$ seconds) on the nominal SRB separation trajectory.

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- F) CYT, CYNT, CNT, CLMT vs RN/L

NOMENCLATURE
General

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
a		speed of sound; m/sec, ft/sec
C _p	CP	pressure coefficient; $(p_1 - p_\infty)/q$
M	MACH	Mach number; V/a
p		pressure; N/m ² , psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\rho V^2$, N/m ² , psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m ³ , slugs/ft ³
<u>Reference & C.G. Definitions</u>		
A _b		base area; m ² , ft ²
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
$\frac{l}{c}$	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m ² , ft ²
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

SUBSCRIPTS

b	base
l	local
s	static conditions
t	total conditions
∞	free stream

NOMENCLATURE (Continued)

Body-Axis System

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
C_N	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
C_A	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_{A_b}	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_b - p_\infty)/qS$
C_{A_f}	CAF	forebody axial force coefficient, $C_A - C_{A_b}$
C_m	CIM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
C_n	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
C_l	CBL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$

Stability-Axis System

C_L	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_D	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C_{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
C_{D_f}	CDF	forebody drag coefficient; $C_D - C_{D_b}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_m	CIM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
C_n	CLN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
C_l	CSL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$
L/D	L/D	lift-to-drag ratio; C_L/C_D
L/D_f	L/DF	lift to forebody drag ratio; C_L/C_{D_f}

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NOMENCLATURE (Continued)
Additions to Standard List

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
C_{m_T}	CLMT	right SRB pitching-moment coefficient from both aerodynamic loads and separation engines thrust, pitching moment/(q l_B)
C_{n_T}	CYNT	right SRB yawing-moment coefficient from both aerodynamic loads and separation engines thrust, yawing moment/(q l_B)
C_{N_T}	CNT	right SRB normal-force coefficient from both aerodynamic loads and separation engines thrust, normal force/(qS)
C_{Y_T}	CYT	right SRB side-force coefficient from both aerodynamic loads and separation engines thrust, side-force/(qS)
$\Delta\alpha$	DALP-R	right SRB rotation angle, from mated position, in the pitch plane, deg. ($\alpha_{SRB} - \alpha_{O/ET}$)
$\Delta\beta$	DBET-R	right SRB rotation angle from mated position in the side-slip plane, deg. ($\beta_{SRB} - \beta_{O/ET}$)
l_B	-	orbiter body length [1290.3 inches (ref)]
-	MT	total mass flow supplied to both SRB separation motors, lbs-mass/sec
-	O/ET	mated Orbiter/External Tank
-	PC-L	left SRB separation motor chamber pressure, psia
-	PC-R	right SRB separation motor chamber pressure, psia
-	PS-L	left SRB separation motor supply line pressure, psia
-	PS-R	right SRB separation motor supply line pressure, psia
P_{T_j}	PT-JET or PJ	model separation rocket plenum chamber pressure, psia
P_{T_∞}	-	freestream total pressure, psia

NOMENCLATURE (Concluded)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
-	SRB	Solid Rocket Motor
-	SRBPOS	relative SRB location with respect to O/ET during SRB separation
t	-	time from beginning of SRB staging sequence, sec.
T_j	TO-JET	model separation motor air supply temperature, °F
X_o, Y_o, Z_o	-	longitudinal, lateral, and vertical Orbiter coordinates, in.
X_s, Y_s, Z_s	-	longitudinal, lateral, and vertical SRB coordinates, in.
X_T, Y_T, Z_T	-	longitudinal, lateral, and vertical External Tank coordinates, in.
ΔX	X	SRB nose longitudinal separation distance, measured from mated position, inches
ΔY	Y	SRB nose lateral separation distance, measured from mated position, inches
ΔZ	Z	SRB nose vertical separation distance, measured from mated position, inches
-	L-SRB	left SRB separation position from O/ET
-	R-SRB	right SRB separation position from O/ET

INTRODUCTION

A wind tunnel test of an 0.010-scale model integrated Space Shuttle Vehicle (Configuration 3 lines, see figure 2a) in the Arnold Engineering Development Center von Karman Gas Dynamics Facility 40-inch Supersonic Wind Tunnel (Tunnel A) was conducted for one 10-hour shift on January 30, 1974.

The objective of the test was to determine proximity force and moment data for the Orbiter/ET and SRB with and without separation rockets firing for both single and dual booster runs. Data were obtained at three points ($t = 0, 1.25, \text{ and } 2.0$ seconds) on the nominal SRB separation trajectory.

Data were obtained at a Mach number of 4.5 and Reynolds number/ft of 0.72×10^6 , 1.03×10^6 , 1.43×10^6 , 1.76×10^6 and 2.15×10^6 . Booster separation motor plume pressures were set at tunnel static pressure (zero thrust), 340, 750, and 1500 psia.

Both angle-of-attack and angle-of-sideslip ranges for the tunnel sector were from -10 to $+10$ degrees. No combined angle-of-attack and angle-of-sideslip runs were made.

CONFIGURATIONS INVESTIGATED

The model for this test in the AEDC-VKF Tunnel A was an 0.010-scale force model of the Rockwell International Space Shuttle Vehicle Configuration 3, designated Model 32-OTS. A three-view of the vehicle is shown in Figure 2a.

The External Tank was rigidly attached to the Orbiter with the Orbiter supported, in the inverted position, on the tunnel primary sector using the AEDC 4.00-Y-36-049 balance and 4.06-Z-050 sting.

The SRB's were supported from brackets attached to a modified sting adapter aft of the 4.06-Z-050 sting. The brackets located the boosters in the three trajectory positions specified for this test.

The right SRB was mounted on AEDC 0.625-in. diameter flow-thru balance 4.00-Y-34-065. The left SRB was mounted on a dummy balance built to have the same deflection characteristics as the 4.00-Y-34-065 balance.

The Orbiter/External Tank were of aluminum construction with the following components: wing, vertical tail, canopy, orbital maneuvering system (OMS) pods, body flap, simulated main engine nozzles, umbilical fairing, Tank-to-Orbiter attach structure, and Tank protuberances.

The External Tank was attached to the Orbiter using the forward attach strut and the LO_2 and LH_2 feed lines. Figures 2b through e show the attach structure and Tank protuberances.

The SRB's were of steel construction and included the separation rocket fairing and nozzles. High pressure air was piped into both SRB's to simulate the SRB separation motor plumes. Settling chambers at each

end of the boosters fed the fore and aft nozzles. SRB nozzle details are shown in Figures 2f and g.

All control surfaces were at their nominal positions for the entire test; i.e., there were no elevon, aileron, body flap, or rudder deflections. The umbilical door fairing support beneath the Orbiter was in place for part of the test.

The lower surface of the bodyflap was instrumented with one pressure tap (Tap No. 12) at Orbiter model station $X_0 = 15.71$ and $Y_0 = 1.00$.

The aft end of the External Tank had two pressure taps (Tap No. 13 and Tap No. 14) on the vertical centerline, located as shown in Figure 2h.

To measure the above pressures, Rockwell supplied three CEC Model No. 4-312 absolute transducer rated at 25 psi maximum pressure, but calibrated from 0 to 5 psi for this test.

The three transducers were mounted in the External Tank. The tube from the body flap pressure tap was routed through the Orbiter/External Tank attach structure into the tank. The electrical leads from the transducers were routed through the attach structure and exited the model through the balance cavity.

Configurations tested were:

$O_1 = B_{19} C_7 E_{23} F_5 M_4 N_8 N_{24} R_5 V_7 W_{107}$

$ET_1 = T_{10} AT_6 AT_7 AT_{11} PT_1 PT_2 PT_3 FL_1 FL_2$

$ET_2 = T_{10} AT_6 AT_7 AT_{11} PT_1 PT_2 PT_3 FL_1 FL_2 FR_5$

$$SRB_1 = S_8 N_{66} N_{67} PS_5 PS_6$$

The model components are defined as follows:

<u>Symbol</u>		
AT ₆	Left Rear Orbiter to External Tank	VL72-000088D & 89
AT ₇	Right Rear Orbiter to External Tank	VL72-000088D & 89
AT ₁₁	Front Orbiter to External Tank	VL72-000088D & 89
B ₁₉	Body	VL70-00139B
C ₇	Canopy	VL70-00139B
E ₂₃	Elevons	VL70-00139B
F ₅	Body Flap	VL70-00139B
FL ₁	LO ₂ Feedlines	VL78-000050
FL ₂	LH ₂ Feedline	VL78-000050
FR ₅	Umbilical Door Fairing Support	VL78-000050
M ₄	Orbital Maneuvering System	VL70-00139B
N ₈	OMS Nozzles	VL70-000140A
N ₂₄	Orbiter SSME Nozzles	VL70-000140A
N ₆₆	SRB Forward Separation Motor Nozzle Block	
N ₆₇	SRB Aft Separation Motor Nozzle Block	
PS ₅	SRB Forward Separation Motor Fairing	
PS ₆	SRB Aft Separation Motor Fairing	

R ₅	Rudder	VL70-000140A
S ₈	Boosters (Solid Rocket)	VL72-000088 & VL77-000036
T ₁₀	External Tank	VL78-00041B
V ₇	Vertical Tail	VL70-000140A
W ₁₀₇	Wing	VL70-000140A

Dimensional data for the components are given in Table III.

The number and position of the boosters is noted on the plots with two digits under the parameter name "SRBPOS". The first digit refers to the position of the left SRB and the second digit refers to the position of the right SRB. The following combinations were tested.

<u>SRBPOS</u>	<u>Left SRB</u>	<u>Right SRB</u>
1.100	Position 1	Position 1
2.200	Position 2	Position 2
3.300	Position 3	Position 3
.200	Removed	Position 2
.300	Removed	Position 3
.100	Removed	Position 1

For this test, the SRB separation motors were relocated (see Figures 2f and g) from the positions used in the IA57 test in an attempt to minimize the plume impingement on the Orbiter/ET.

All motors were located in pairs under fairings on the SRB surfaces, with thrust lines tangent to the SRB surface.

Four motors were positioned forward ($X_S = 463$) and four were positioned aft ($X_S = 1850$) on each SRB. Two pair (forward and aft) were mounted on the outboard side of each SRB, and two pair were mounted on the bottom

sides of each SRB.

All motors were rotated 20° (forward or aft) so that they fired away from the Orbiter/external tank.

Both SRB's were independently mounted in each of the positions given in the table below.

<u>Position</u>	<u>ΔX (in.)</u>	<u>ΔY (in.)</u>	<u>ΔZ (in.)</u>	<u>$\Delta\alpha$ (deg.)</u>	<u>$\Delta\beta$ (deg.)</u>
1	0	0	0	0	0
2	1.470	2.168	2.594	-3.07	4.55
3	4.022	5.465	7.030	-7.95	10.40

For the above positions, ΔX , ΔY , ΔZ were displacements of the SRB nose in inches, model scale, from the mated SRB nose position. As shown in Figure 1b, ΔX was measured positive aft; ΔY was measured positive outboard for the left SRB, positive inboard for the right SRB; and ΔZ was measured positive away from the Orbiter (down).

$\Delta\alpha$ and $\Delta\beta$ were defined as:

$$\Delta\alpha = \alpha_{\text{SRB}} - \alpha_{\text{O/ET}}$$

$$\Delta\beta = \beta_{\text{SRB}} - \beta_{\text{O/ET}}$$

Where α_{SRB} , $\alpha_{\text{O/ET}}$, β_{SRB} , and $\beta_{\text{O/ET}}$ were obtained using standard aerodynamic definitions.

TEST FACILITY DESCRIPTION

The AEDC von Karman Facility (VKF) Tunnel A is a continuous, closed-circuit, variable density wind tunnel with an automatically driven flexible-plate-type nozzle and a 40- by 40-in. test section (see Figure 3). The tunnel can be operated at Mach numbers from 1.5 to 6 at maximum stagnation pressures from 29 to 200 psia, respectively, and stagnation temperatures up to 750°R ($M = 6$). Minimum operating pressures range from about one-tenth to one-twentieth of the maximum at each Mach number. A description of the tunnel and airflow calibration information may be found in the Test Facilities Handbook*.

*Test Facilities Handbook (Ninth Edition). "von Karman Gas Dynamics Facility, Vol. 3", Arnold Engineering Development Center, July 1971.

DATA REDUCTION

Standard AEDC data reduction methods were used to compute tunnel parameters, balance force and moment coefficients, and model attitude. Six coefficients were computed for the Orbiter/ET and four for the right SRB

$(C_{N_T}, C_{m_T}, C_{Y_T}, C_{n_T})$.

The following reference dimensions were used:

Symbol	Description	Value (model scale)		Value (full scale)	
		O/ET DATA reduction	SRB DATA reduction	O/ET reduction	SRB DATA reduction
S	reference area	0.269	0.269	2690.0	2690.0
b	reference span, in.	12.903	12.903	1290.3	1290.3
\bar{c}	reference chord, in	12.903	12.903	1290.3	1290.3
l_b	reference body length (used in X_{cp}/l)	19.703	17.410	1970.3	1741.0
X_{MRP}	long. location of MRP: in. from model nose: station, in:	7.430 10.520 X_T	9.670 11.670 X_S	743.0 1052.0 X_T	967.0 1167.0 X_S
Y_{MRP}	lateral location of MRP: station, in:	0.000 X_T	0.000 X_S	0.0 X_T	0.0 X_S
Z_{MRP}	vertical location of MRP: dist. above centerline, in:	0.470 (ET)	0.00 (SRB)	47.0 (ET)	0.0 (SRB)

Base pressures were measured on the Orbiter and external tank along with the Orbiter balance cavity pressure, but were not used to make corrections to the data. A single pressure was measured on the lower surface of the bodyflap and is tabulated in the data. Figure 2a shows the MRP locations.

The aerodynamic forces and moments given for the SRB include the forces due to the jet as well as aerodynamic forces.

TABLE I

[illegible]

TABLE II

TEST: IA-61			DATA SET/RUN NUMBER COLLATION SUMMARY												DATE: 2/11/74			
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES										NO. OF RUNS	MACH NUMBERS			
		α	β	L-SRB	R-SRB	P ₂₀₀	P ₂₁	RN/L										
RTQ001	RSRB ALONE	A	0	-	1	29	1500	1.76							115			
02		O	B	-	1										114			
03		A	0	-	2										113			
04		O	B	-	2										115			
05		A	0	-	3										116			
06		O	B	-	3										118			
07	L & R SRBs ALONE	A	0	1	1		0								117			
08		A	0	1	1		1500								124			
09		O	B	1	1										125			
10		A	0	2	2										126			
11		O	B	2	2										123			
12		A	0	3	3		0								122			
13		A	0	3	3		1500								119			
14		O	B	3	3		1500								120			
15	ϕ , ET, SRB,	A	0	-	1										121			
16		O	B	-	1										111			
17		A	0	-	2										112			
18		O	B	-	2										108			
TEST RUN NUMBERS																		
1 7 13 19 25 31 37 43 49 55 61 67 75 76																		
CNT CN ICLMT ICLM IGYT IGY IGYNT IGYN IPC-B MT MACHALPHAB 1.0																		
COEFFICIENTS																		
IDVAR (1) IDVAR (2) NDV																		
"S" DATA ARE RIGHT SRB DATA																		
"R" DATA ARE O/E T BALANCE DATA																		
* DATA SETS STQ001 THROUGH STQ014																		
A or B = -10° to 10°																		
SCHEDULES																		

TEST RUN NUMBERS

TABLE II (con't)

TEST: <u>IA-61</u>			DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: <u>2/11/74</u>							
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES								NO. OF RUNS	MACH NUMBERS							
		α	β	L-SRB	R-SRB	PT ₂	PT ₁	RN/L												
<u>RT Q019</u>	<u>Φ, ET, SRB₁</u>	A	0	-	3	29	1500	1.76						45						
20		A	0	-	3	29	1500	1.76						104						
21		0	B	-	3	29	1500	1.76						105						
22		A	0	1	1	29	0	1.76						106						
23		0	B	1	1	29	0	1.76						133						
24		A	0	1	1	11.5	340	.69						134						
25		A	0	1	1	11.5	750	.69						151						
26		A	0	1	1	11.5	750	.69	(HEATED AIR)					152						
27		0	B	1	1	17	340	1.02						191						
28		A	0	1	1	17	750	1.02						150						
29		0	B	1	1	17	750	1.02						148						
30		A	0	1	1	17	1500	1.02						149						
31		A	0	1	1	17	1500	1.02	(HEATED AIR)					147						
32		A	0	1	1	23.5	750	1.4						190						
33		0	B	1	1	23.5	750							146						
34		A	0	1	1	23.5	1500							145						
35		A	0	1	1	23.5	1500		(HEATED AIR)					143						
36		0	B	1	1	23.5	1500							188						
1	7	13	19	25	31	37	43	49	55	61	67	BETA	75	76						
CNT	GLMT	CYT	CYNT	MT	IPC-R	PS-R	DALP-R						MACH	ALPHA	0.7					
α OR β				COEFFICIENTS				DBET-R				IDVAR (1)	IDVAR (2)	NDV						
SCHEDULES				* DATA SETS \$TQ015 THROUGH \$TQ021																

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TEST RUN NUMBERS

TABLE II (con't)

TEST: IA-61			DATA SET/RUN NUMBER COLLATION SUMMARY												DATE: 2/11/74					
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES										NO. OF RUNS	MACH NUMBERS					
		α	β	L-SRB	R-SRB	P ₁₀₀	P ₁₀	RN/L												
RTQ 039	ϕ_1 ET, SRB ₁	A	0	1	1	29	340	1.76							4.5					
40		A	0	1	1	29	750	1.76							141					
41		0	B	1	1	29	750	1.76							140					
42		A	0	1	1	29	1500	1.76							139					
43		A	0	1	1	29	1500	1.76	(REPEAT RUN)						136					
44		A	0	1	1	29	1500	1.76	(HEATED AIR)						153					
45		0	B	1	1	29	1500	1.76							189					
46		A	0	1	1	35	0	2.10							135					
47		A	0	2	2	29	0	1.76							142					
48		0	B	2	2	29	0	1.76							162					
49		A	0	2	2	17	1500	1.02							161					
50		A	0	2	2	23.5	1500	1.4							166					
51		0	B	2	2	23.5	1500	1.4							164					
52		A	0	2	2	29	750	1.76							165					
53		0	B	2	2	29	750	1.76							159					
54		A	0	2	2	29	1500	1.76							160					
55		A	0	2	2	29	1500	1.76	(REPEAT RUN)						158					
56		0	B	2	2	29	1500	1.76							167					
1	7	13	19	25	31	37	43	49	55	61	67	BETA	75	76						
CNT GLMT GYT GYNT MT PG-R PS-R PG-L PS-L DALP-RMACH IALPHA														10						
COEFFICIENTS														DBETA	IDVAR (1)	IDVAR (2)	NDV			
α OR β		* DATA SETS STQ022 THROUGH STQ082																		
SCHEDULES																				

TABLE II (con't)

TEST : TA-61		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 2/11/74					
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES								NO. OF RUNS	MACH NUMBERS				
		α	β	L-SRB	R-SRB	P _{TO}	P _{TI}	RN/L									
RTQ057	ϕ , ET, SRB ₁	A	0	3	3	29	0	1.76					45				
58		0	B	3	3	29	0	1.76					176				
59		A	0	3	3	11.5	340	.69					177				
60		A	0	3	3	11.5	750	.69					187				
61		A	0	3	3	17	340	1.02					186				
62		A	0	3	3	17	750	1.02					185				
63		0	B	3	3	17	750	1.02					183				
64		A	0	3	3	17	1500	1.02					184				
65		A	0	3	3	23.5	750	1.4					182				
66		A	0	3	3	23.5	1500	1.4					181				
67		0	B	3	3	23.5	1500	1.4					179				
68		A	0	3	3	29	340	1.76					180				
69		A	0	3	3	29	750	1.76					175				
70		0	B	3	3	29	750	1.76					173				
71		A	0	3	3	29	1500	1.76					174				
72		0	B	3	3	29	1500	1.76					172				
RTQ037		A	0	2	2	35	1500	2.10					171				
RTQ038		A	0	3	3	35	1500	2.10					163				
1 7 13 19 25 31 37 ALPHA 43 49 55 61 67 BETA 73 76																	
CN CLM CA CY CYN CBL BETA MACH ALPHA 0.7																	
COEFFICIENTS																	
IDVAR (1) IDVAR (2) NDV																	
α OR β																	
SCHEDULES																	
*DATA SETS RTQ015 THROUGH RTQ076																	

TABLE II (cont'd)

TEST: IA-61			DATA SET/RUN NUMBER COLLATION SUMMARY												DATE: 2/11/74			
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES										NO. OF RUNS	MACH NUMBERS			
		α	β	L-SRB	R-SRB	P ₂₀	P ₂₁	RN/L										
RTQ073	Φ ET ₂ SRB ₁	A	0	1	1	29	0	1.76							4.5			
74		0	B	1	1	29	0	1.76							129			
75		A	0	1	1	29	1500	1.76							130			
76		0	B	1	1	29	1500	1.76							128			
															127			
RTQ077	Φ ET ₁ SRB ₁	C	0	1	1	29	1500	1.76										
78		0	D	1	1	29	1500	1.76							137			
79		C	0	2	2	29	1500	1.76							138			
80		0	D	2	2	29	1500	1.76							155			
81		C	0	3	3	29	1500	1.76							156			
82		0	D	3	3	29	1500	1.76							169			
															170			
											</							

TEST RUN NUMBERS

TABLE III. - MODEL DIMENSIONAL DATA

MODEL COMPONENT: ATTACH STRUCTURE - AT₆GENERAL DESCRIPTION: Right rear, Orbiter to External TankMODEL SCALE: 0.010

DRAWING NO.: VL72-000088B + VL72-000089 NOTE: Use first drawing for location and second drawing for detail of struts

DIMENSIONS: FULL SCALE MODEL SCALE

First Strut

Diameter In. (Approx.) 1 0.010

Fwd. Location, In. (Attach to Orbiter)

 X_o 1307 13.07 X_s 2058 20.58

App Approximate Aft Location, In. (Attach to Orbiter)

 X_o 1107 11.07 X_s 1858 18.58(NOTE: This strut is the mirror image of Strut AT₇)

Second Strut

Diameter, In. (Approx.) 1 0.010

Location, In.

 X_o 1307 13.07 X_s 2058 20.58

(NOTE: This is a cross-brace strut)

TABLE III. - Continued.

MODEL COMPONENT: ATTACH STRUCTURE - AT₇GENERAL DESCRIPTION: Left rear. Orbiter to External TankMODEL SCALE: 0.010

DRAWING NO.: VL72-000088B + VL72-000089 NOTE: Use first drawing for location and second drawing for detail of struts

DIMENSIONS:	FULL SCALE	MODEL SCALE
FORWARD ATTACH POINTS		
Orbiter to Tank		
Number of Struts	<u>1</u>	<u>1</u>
Diameter - In. (Approx.)	<u>1</u>	<u>0.010</u>
Location - In.		
X_O	<u>1307</u>	<u>13.07</u>
X_T	<u>2058</u>	<u>20.58</u>
Orbiter to SRB		
Number of Struts	<u> </u>	<u> </u>
Diameter - In.	<u> </u>	<u> </u>
Location - In.	<u> </u>	<u> </u>
X_O	<u> </u>	<u> </u>
X_T	<u> </u>	<u> </u>
Tank to SRB		
Number of Struts	<u> </u>	<u> </u>
Diameter - In.	<u> </u>	<u> </u>
Location - In.	<u> </u>	<u> </u>
X_T	<u> </u>	<u> </u>
X_S	<u> </u>	<u> </u>
AFT ATTACH POINTS		
Orbiter to Tank		
Number of Struts	<u>1</u>	<u>1</u>
Diameter - In. (Approx.)	<u>1</u>	<u>0.010</u>
Location - In. (Approx.)		
X_O	<u>1107</u>	<u>11.07</u>
X_T	<u>1858</u>	<u>18.58</u>
Orbiter to SRB		
Number of Struts	<u> </u>	<u> </u>
Diameter - In.	<u> </u>	<u> </u>
Location - In.	<u> </u>	<u> </u>
X_O	<u> </u>	<u> </u>
X_S	<u> </u>	<u> </u>
Tank to SRB		
Number of Struts	<u> </u>	<u> </u>
Diameter - In.	<u> </u>	<u> </u>
Location - In.	<u> </u>	<u> </u>
X_T	<u> </u>	<u> </u>
X_S	<u> </u>	<u> </u>

TABLE III. - Continued.

MODEL COMPONENT: ATTACH STRUCTURE - AT₁₁GENERAL DESCRIPTION: Front, Orbiter to External Tank

MODEL SCALE: _____

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Number of Struts	<u>2</u>	<u>2</u>
Width of each strut	<u>12-1/2</u>	<u>0.125</u>
Length of each strut	<u>25</u>	<u>0.250</u>
Location:		
X_O	<u>391</u>	<u>3.91</u>
X_T	<u>1132.0</u>	<u>11.32</u>

TABLE III. - Continued.

MODEL COMPONENT: BODY - B₁₉

GENERAL DESCRIPTION: Fuselage, Configuration 3, per Rockwell Lines

Drawing VL70-000139B

NOTE: Identical to B17 except forebody

MODEL SCALE: .010

DRAWING NUMBER: VL70-000139B

DIMENSIONS:

	FULL SCALE	MODEL SCALE
Length - In.	1290.3	12.903
Max. Width - In.	267.6	2.676
Max. Depth - In.	244.5	2.445
Fineness Ratio	4.82175	4.82175
Area - Ft ²		
Max. Cross-Sectional	386.67	0.03867
Planform		
Wetted		
Base		

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TABLE III. - Continued.

MODEL COMPONENT: CANOPY - C₇GENERAL DESCRIPTION: Configuration 3 per Rockwell Lines VL70-000139

MODEL SCALE: 0.010

DRAWING NUMBER: VL70-000139

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length ($X_0 = 433$ to $X_0 = 670$) in. FS	<u>237</u>	<u>2.370</u>
Max. Width	<u> </u>	<u> </u>
Max. Depth ($Z_0 =$ to $Z_0 = 501$) in. FS	<u> </u>	<u> </u>
Fineness Ratio	<u> </u>	<u> </u>
Area	<u> </u>	<u> </u>
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III. - Continued.

MODEL COMPONENT: ELEVON - E₂₃GENERAL DESCRIPTION: Configuration 3 per W₁₀₇ Rockwell Lines DrawingVL70-000139B data for (1) of (2) sidesMODEL SCALE: 0.010DRAWING NUMBER: VL70-000139B

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Area - ft ²	<u>205.52</u>	<u>0.02055</u>
Span (equivalent) - in.	<u>353.34</u>	<u>3.533</u>
Inb'd equivalent chord	<u>114.78</u>	<u>1.148</u>
Outb'd equivalent chord	<u>55.00</u>	<u>0.550</u>
Ratio movable surface chord/total surface chord		
At inb'd equiv. chord	<u>0.208</u>	<u>0.208</u>
At outb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
Sweep-back angles, degrees		
Leading edge	<u>0.00</u>	<u>0.00</u>
Trailing Edge	<u>- 10.24</u>	<u>- 10.24</u>
Hingeline	<u>0.00</u>	<u>0.00</u>
Area Moment (Normal to Hingeline) - ft ³ (Product of Area Moment)	<u>1548.07</u>	<u>0.001548</u>

TABLE III. - Continued.

MODEL COMPONENT: BODY FLAP - F₅GENERAL DESCRIPTION: Body flap for fuselage B₁₉

MODEL SCALE: 0.015

DRAWING NUMBER: VL70-000139

DIMENSIONS:

FULL SCALE MODEL SCALE

Length - In.

84.700.8470

Max. Width - In.

267.62.676

Max. Depth - In.

Fineness Ratio

Area - ft²

Max. cross-sectional

Wetted

Base

142.51950.0142538.09580.00380958

TABLE III. - Continued.

MODEL COMPONENT: FEEDLINE FL_1

GENERAL DESCRIPTION: LOX feedline between ET and orbiter.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000050

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Centerline at X_T	<u>2063.5</u>	<u>20.635</u>
Y_T	<u>+ 70.0</u>	<u>+ 0.70</u>
X_O	<u>1440.6</u>	<u>14.406</u>
Y_O	<u>+ 70</u>	<u>+ 0.70</u>
Diameter	<u>18.5</u>	<u>0.185</u>

TABLE III. - Continued.

MODEL COMPONENT: FEEDLINE - FL₂

GENERAL DESCRIPTION: LH₂ feedline between ET and Orbiter.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000050

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Centerline at:	X _T	<u>2063.5</u>	<u>20.635</u>
	Y _T	<u>- 70.0</u>	<u>-0.700</u>
	X _O	<u>1330.5</u>	<u>13.305</u>
	Y _O	<u>- 70.0</u>	<u>- 0.700</u>
Diameter		<u>18.5</u>	<u>0.185</u>

TABLE III. - Continued.

MODEL COMPONENT: ORBITER UMBILICAL FAIRING - FR₅

GENERAL DESCRIPTION: Fairing around Orbiter umbilical assembly on Orbiter lower surface rear fuselage trailing edge.

MODEL SCALE: 0.010

DRAWING NO.: VL78-000050

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Height (from orbiter surface,) In.		
Leading edge	5.0	0.050
Trailing edge	23.0	0.230
Maximum	26.0	0.260
Length, In.	154.0	1.540
Max. width, In.	235.0	2.350

TABLE III. - Continued.

MODEL COMPONENT: OMS Pod - M₄

GENERAL DESCRIPTION: Configuration 3 per Rockwell Lines VL70-000139

NOTE: M₄ identical to M₃ except intersection to fuselage.

MODEL SCALE: 0.010

DRAWING NUMBER: VL70-000139

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length - In.	<u>346.0</u>	<u>3.460</u>
Max. Width - In.	<u>108.0</u>	<u>1.080</u>
Max. Depth - In.	<u>113.0</u>	<u>1.130</u>
Fineness Ratio	<u> </u>	<u> </u>
Area - Ft ²		
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III. - Continued.

MODEL COMPONENT: NOZZLES - N8GENERAL DESCRIPTION: Basic O/S Nozzle of Configuration 2A per Rockwell Lines

VL70-C08306 and VL70-000089"B". Intersection of nozzle exit plane and
nozzle centerline at $X_0 = 1570.75$, $Y_0 = \pm 99.25$, $Z_0 = 507.25$

MODEL SCALE = 0.010DRAWING NO. VL70-C08306, VL70-000089"B", SS-A00092DIMENSIONSFULL SCALEMODEL SCALE

Mach No. _____

Length ~ in. _____

Gimbal Point to Exit Plane _____

Throat to Exit Plane _____

Diameter ~ in. _____

Exit _____

50.000.500

Throat _____

N/AN/A

Inlet _____

28.000.280Area ~ ft²./Nozzle _____

Exit _____

13.6350.00136

Throat _____

Gimbal Point (station) ~ in. _____

X _____

1518.015.180

Y _____

+88.00.880

Z _____

492.04.920

Null Position ~ deg. _____

Pitch _____

15°49'15°49'

Yaw (Outb'd) _____

+12°17'+12°17'ORIGINAL PAGE IS
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TABLE III. - Continued

MODEL COMPONENT: MPS NOZZLES - N. 24GENERAL DESCRIPTION: Configuration 3A MPS Nozzles

TABLE III. - Continued.

MODEL SCALE: 0.010DRAWING NO. VL70-000146A, VL70-005030A

<u>DIMENSIONS</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Mach No. _____		
Length ~ in.		
Gibbal Point to Exit Plane	_____	_____
Throat to Exit Plane	_____	_____
Diameter ~ in.		
Exit	<u>91.000</u>	<u>0.910</u>
Throat	_____	_____
Inlet	_____	_____
Area ~ ft ² . / Nozzle		
Exit	<u>45.16585</u>	<u>0.00452</u>
Throat	_____	_____
Gibbal Point (station) ~ in.		
Upper Nozzle		
X	<u>1445</u>	<u>14.450</u>
Y	<u>0</u>	<u>0</u>
Z	<u>443</u>	<u>4.430</u>
Lower Nozzles		
X	<u>1468.16996</u>	<u>14.68170</u>
Y	<u>53.00000</u>	<u>0.530</u>
Z	<u>342.63983</u>	<u>3.42640</u>
Roll Position ~ deg.		
Upper Nozzle		
Pitch	<u>16°</u>	<u>16°</u>
Yaw	<u>0°</u>	<u>0°</u>
Lower Nozzles		
Pitch	<u>10°</u>	<u>10°</u>
Yaw (outb'd)	<u>3.5°</u>	<u>3.5°</u>

TABLE III (Cont'd)

MODEL COMPONENT: SRB FORWARD SEPARATION NOZZLE BLOCK - N₆₆

GENERAL DESCRIPTION: Separation nozzles for configuration 3 solid rocket booster.

MODEL SCALE: 0.010

MODEL DRAWING NO.: SS-A01184

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Diameter, In.		
Exit	9.45	0.094
Throat	6.81	0.068
Inlet	6.81	0.068
Area - Ft ² /Nozzle		
Exit	0.4871	0.00005
Throat	0.2529	0.00005
Design exit Mach No.	2.15	2.15
Center of rotation of thrust centerline	450	4.50
No. of nozzles	4 (in 2 blocks)	
Nozzles control 20 deg. forward, away from O/ET		

TABLE III (Cont'd)

MODEL COMPONENT: SRB AFT SEPARATION NOZZLE BLOCK - N67

GENERAL DESCRIPTION: Aft separation nozzles for configuration 3 solid rocket booster.

MODEL SCALE: 0.010

DIMENSIONS: FULL SCALE MODEL SCALE

Diameter, In.

Exit 9.45 0.0945Throat 6.81 0.0681Inlet 6.81 0.0681Area - Ft²Exit 0.04871 0.000005Throat 0.2529 0.000025Design exit Mach No. 2.15 2.15No. of nozzles 4 4Center of rotation of thrust centerline, X_S 1850 18.50

Nozzles mounted on SRB aft skirt, canted 20 deg.

aft, away from O/ET

TABLE III. - Continued.

MODEL COMPONENT: SRB FORWARD SEPARATION MOTOR FAIRING - PS₅

GENERAL DESCRIPTION: Fairing over forward separation motors on SRB.

Fairing covers two separation motors.

MODEL SCALE: 0.010

DRAWING NUMBER: SS-A01184

DIMENSIONS:	FULL SCALE	MODEL SCALE
Length	<u>150.0</u>	<u>1.500</u>
Max. Width	<u>56.3</u>	<u>0.563</u>
Max. Depth	<u>18.0</u>	<u>0.180</u>
Fineness Ratio	<u></u>	<u></u>
Area	<u></u>	<u></u>
Max. Cross-Sectional	<u></u>	<u></u>
Planform	<u></u>	<u></u>
Wetted	<u></u>	<u></u>
Base	<u></u>	<u></u>
Leading Edge of fairing at X _s	<u>45.0</u>	<u>0.450</u>

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TABLE III. - Continued.

MODEL COMPONENT: SRB AFT SEPARATION MOTOR FAIRING - PS₆

GENERAL DESCRIPTION: Fairing over aft separation motors on SRB skirt.

Fairing covers two separation motors.

MODEL SCALE: 0.010

DRAWING NUMBER: SS-A01184

DIMENSIONS:	FULL SCALE	MODEL SCALE
Length	120.128	1.2013
Max. Width	56.3	0.563
Max. Depth	18.0	0.180
Finess Ratio		
Area		
Max. Cross-Sectional		
Planform		
Wetted		
Base		
Leading edge of fairing at X _s	1850.0	18.50

NOTE: Dimensions measured relative to skirt surface

TABLE III. - Continued.

MODEL COMPONENT: ET PROTUBERANCE - PT₁

GENERAL DESCRIPTION: LOX vent line fairing on Tank (T₁₂) Nose

MODEL SCALE: 0.010

DRAWING: VL78-000031A

DIMENSIONS:		FULL SCALE	MODEL SCALE
Leading edge at:	X _T	321.00	3.210
	Y _T	0.0	0.
Trailing edge at:	X _T	947.00	9.470
	Y _T	470.0	4.700
Centerline of vent line radially located at			
Height			
Width			

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TALBE III. - Continued.

MODEL COMPONENT: ET PROTUBERANCE - PT₂

GENERAL DESCRIPTION: LOX feedlines on Vehicle 4 tank secured to tank by brackets with 30-inch spacing (total of 22 brackets)

MODEL SCALE: 0.010

DRAWING NO.: VL78-000031A

DIMENSIONS:	FULL SCALE	MODEL SCALE
Leading edge at: X_T	<u>947.00</u>	<u>9.470</u>
Y_T	<u>- 70.00</u>	<u>- 0.700</u>
Trailing edge at: X_T	<u>1330.00</u>	<u>13.300</u>
Y_T	<u>- 70.00</u>	<u>- 0.700</u>
Bracket spacing from $X_T = 997$	<u>50.00</u>	<u>0.500</u>
Centerline of LOX feedline located radially at ϕ	<u>23.5°</u>	<u>23.5°</u>

TABLE III. - Continued.

MODEL COMPONENT: ET PROTUBERANCE - PT₃

GENERAL DESCRIPTION: LH₂ ventline on Vehicle 4 tank secured to tank by
brackets with 30-inch spacing (total of 22 brackets)

MODEL SCALE: 0.010

DRAWING NO.: VL78-000031A

DIMENSIONS:	FULL SCALE	MODEL SCALE
Leading edge at: X_T	<u>947.00</u>	<u>9.470</u>
Y_T	<u>- 70.00</u>	<u>-0.700</u>
Trailing edge at: X_T	<u>1330.00</u>	<u>13.300</u>
Y_T	<u>- 70.00</u>	<u>- 0.700</u>
Bracket spacing from $X_T = 997$	<u>50.00</u>	<u>0.500</u>
Centerline of LH ₂ feedline radially located at $\phi =$	<u></u>	<u>- 34.5°</u>

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TABLE III. - Continued.

MODEL COMPONENT: RUDDER - R5GENERAL DESCRIPTION: 2A, 3 and 3A Configuration per Rockwell LinesVL70-000095Model Scale = 0.010DRAWING NUMBER:VL70-000095DIMENSIONS:FULL-SCALEMODEL SCALE

Area - FT ²	<u>106.38</u>	<u>0.0106</u>
Span (equivalent) - IN.	<u>201.0</u>	<u>2.010</u>
Inb'd equivalent chord	<u>91.585</u>	<u>0.916</u>
Outb'd equivalent chord	<u>50.833</u>	<u>0.508</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
At Outb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
Sweep Back Angles, degrees		
Leading Edge	<u>34.83</u>	<u>34.83</u>
Tailing Edge	<u>26.25</u>	<u>26.25</u>
Hingeline	<u>34.83</u>	<u>34.83</u>
Area Moment (Normal to hinge line) - FT ³	<u>526.13</u>	<u>0.000526</u>
Product of Area and Mean Chord		

TABLE III. - Continued.

MODEL COMPONENT: BOOSTER SOLID ROCKET MOTOR - SBGENERAL DESCRIPTION: Booster Solid Rocket, 3 Configuration, Body of
Revolution, Data for (1) of (2) sides, per Rockwell Lines VL77-000036
and VL72-000038Model Scale = 0.010DRAWING NUMBER VL72-000038
VL77-000036 MODEL DRAWING: SS-A00113

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (Includes Nozzle) - IN.	<u>1741.0</u>	<u>17.410</u>
Max Width (Tank Dia.) - IN.	<u>142.0</u>	<u>1.420</u>
Max Depth (Aft Shroud) - IN.	<u>205.0</u>	<u>2.050</u>
Fineness Ratio	<u>8.49268</u>	<u>8.49268</u>
Area - FT ²		
Max Cross-Sectional	<u>229.21</u>	<u>0.02292</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>
WP of BSRM Centerline (Z _T) - IN.	<u>400.0</u>	<u> </u>
FS of BSRM Nose (X _T) - IN.	<u>200.0</u>	<u> </u>

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TABLE III. - Continued.

MODEL COMPONENT: EXTERNAL TANK - T₂GENERAL DESCRIPTION: External Oxygen-Hydrogen Tank, 3 Configuration, per
Pockwell Lines Drawing VL78-000041 and VL72-000088MODEL SCALE: 0.010DRAWING NUMBER: VL72-000088
VL78-000041

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length - In. (Nose @ $X_T = 309$)	<u>1865</u>	<u>18.65</u>
Max. Width (Dia.) - In.	<u>3.24</u>	<u>3.24</u>
Max. Depth	<u>--</u>	<u>---</u>
Fineness Ratio	<u>5.75617</u>	<u>5.75617</u>
Area - Ft ²		
Max. Cross-Sectional	<u>572.555</u>	<u>0.0573</u>
Planform	<u>---</u>	<u>---</u>
Wetted	<u>---</u>	<u>---</u>
Base	<u>---</u>	<u>---</u>
W.P. of Tank Centerline (X_T) In.	<u>400.0</u>	<u>4.00</u>

TABLE III. - Continued.

MODEL COMPONENT: VERTICAL - VGENERAL DESCRIPTION: Centerline vertical rail, double-wedge airfoil with rounded leading edge.NOTE: Same as V₅, but with manipulator housing removed.MODEL SCALE: 0.010

DRAWING NUMBER:

VL70-000132DIMENSIONS:FULL-SCALEMODEL SCALETOTAL DATA

Area (Theo) Ft ²	<u>425.92</u>	<u>0.0425</u>
Planform		
Span (Theo) In	<u>315.72</u>	<u>3.157</u>
Aspect Ratio	<u>1.675</u>	<u>1.675</u>
Rate of Taper	<u>0.507</u>	<u>0.507</u>
Taper Ratio	<u>0.404</u>	<u>0.404</u>
Sweep Back Angles, degrees		
Leading Edge	<u>45.000</u>	<u>45.000</u>
Trailing Edge	<u>26.249</u>	<u>26.249</u>
0.25 Element Line	<u>41.130</u>	<u>41.130</u>
Chords:		
Root (Theo) WP	<u>268.50</u>	<u>2.685</u>
Tip (Theo) WP	<u>108.47</u>	<u>1.085</u>
MAC	<u>199.81</u>	<u>1.998</u>
Fus. Sta. of .25 MAC	<u>1463.50</u>	<u>14.635</u>
W. P. of .25 MAC	<u>635.522</u>	<u>6.355</u>
B. L. of .25 MAC	<u>0.00</u>	<u>0.00</u>
Airfoil Section		
Leading Wedge Angle Deg	<u>10.000</u>	<u>10.000</u>
Trailing Wedge Angle Deg	<u>14.920</u>	<u>14.920</u>
Leading Edge Radius	<u>2.0</u>	<u>0.020</u>
Void Area	<u>13.17</u>	<u>0.131</u>
Blanketed Area	<u>0.00</u>	<u>0.00</u>

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TABLE III. - Concluded.

MODEL COMPONENT: WING-W 107

GENERAL DESCRIPTION: Configuration 3 per Rockwell Lines VL70-0001393

NOTE: Same as W103, except cuff, airfoil and incidence angle.

Model Scale = 0.010

TEST NO.

DWG. NO. VL70-0001393

DIMENSIONS:

FULL-SCALE

MODEL SCALE

TOTAL DATA

Area (Theo.) Ft^2

Planform

2690.00

0.2690

Span (Theo) In.

936.68

9.3668

Aspect Ratio

2.265

2.265

Rate of Taper

1.177

1.177

Taper Ratio

0.200

0.200

Dihedral Angle, degrees (@ TE of Elevon)

3.500

3.500

Incidence Angle, degrees

0.500

0.500

Aerodynamic Twist, degrees

+3.000

+3.000

Sweep Back Angles, degrees

+3.000

+3.000

Leading Edge

45.000

45.000

Trailing Edge

-10.24

-10.24

0.25 Element Line

35.209

35.209

Chords:

Root (Theo) B.P.O.O.

689.24

6.892

Tip, (Theo) B.P.

137.85

1.378

MAC

474.83

4.748

Fus. Sta. of .25 MAC

1136.69

11.3669

W.P. of .25 MAC

299.20

2.992

B.L. of .25 MAC

182.13

1.8213

EXPOSED DATA

Area (Theo) Ft^2

1752.29

0.1752

Span, (Theo) In. BP108

720.68

7.2068

Aspect Ratio

2.058

2.058

Taper Ratio

0.2451

0.2451

Chords

Root BP108

562.40

5.6240

Tip $1.00 \frac{b}{2}$

137.85

1.3785

MAC

393.03

3.9303

Fus. Sta. of .25 MAC

1185.31

11.8531

W.P. of .25 MAC

300.20

3.002

B.L. of .25 MAC

251.76

2.518

Airfoil Section (Rockwell Mod NASA)

XXXX-64

Root $\frac{b}{2}$ =

0.10

0.10

Tip $\frac{b}{2}$ =

0.12

0.12

Data for (1) of (2) Sides

Leading Edge Cuff

Planform Area Ft^2

118.534

0.0118

Leading Edge Intersects Fus M. L. @ Sta

500

5.00

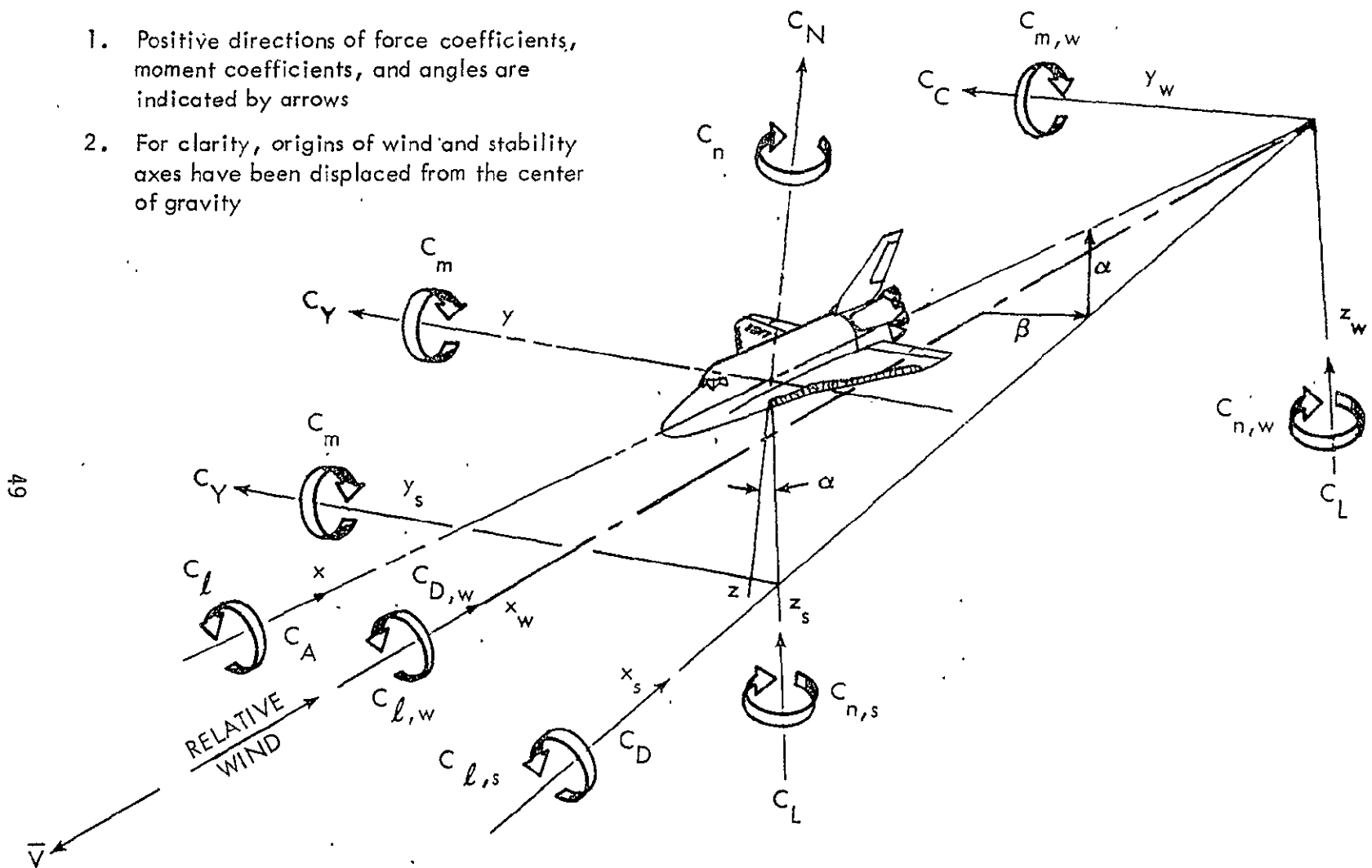
Leading Edge Intersects Wing @ Sta

1083.4

10.834

Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity



a. General

Figure 1. - Axis systems.

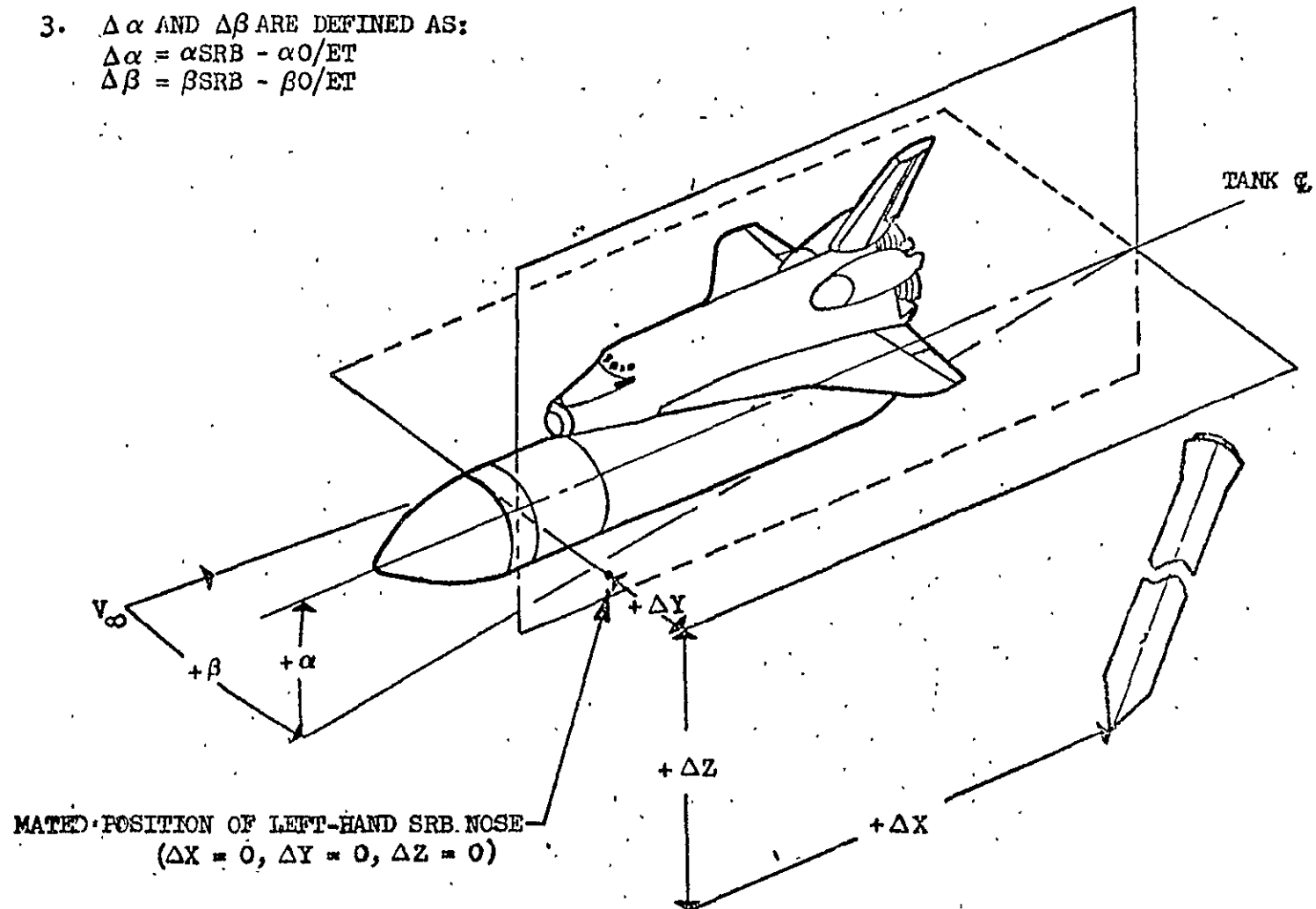
SRB NOSE POSITION.

2. POSITIVE ΔY IS TO RIGHT FOR THE RIGHT-HAND SRB.

3. $\Delta \alpha$ AND $\Delta \beta$ ARE DEFINED AS:

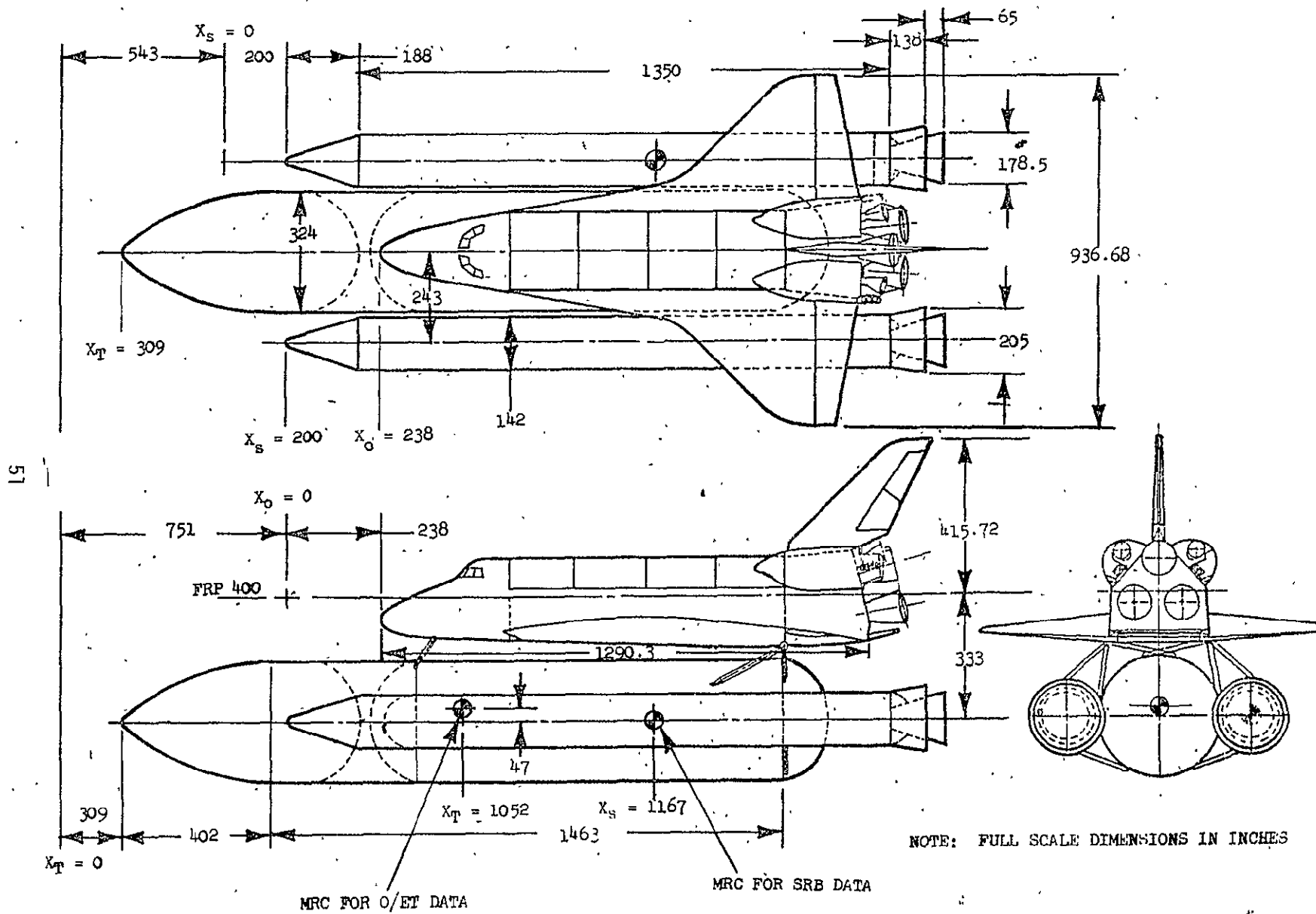
$$\Delta \alpha = \alpha_{\text{SRB}} - \alpha_{\text{O/ET}}$$

$$\Delta \beta = \beta_{\text{SRB}} - \beta_{\text{O/ET}}$$



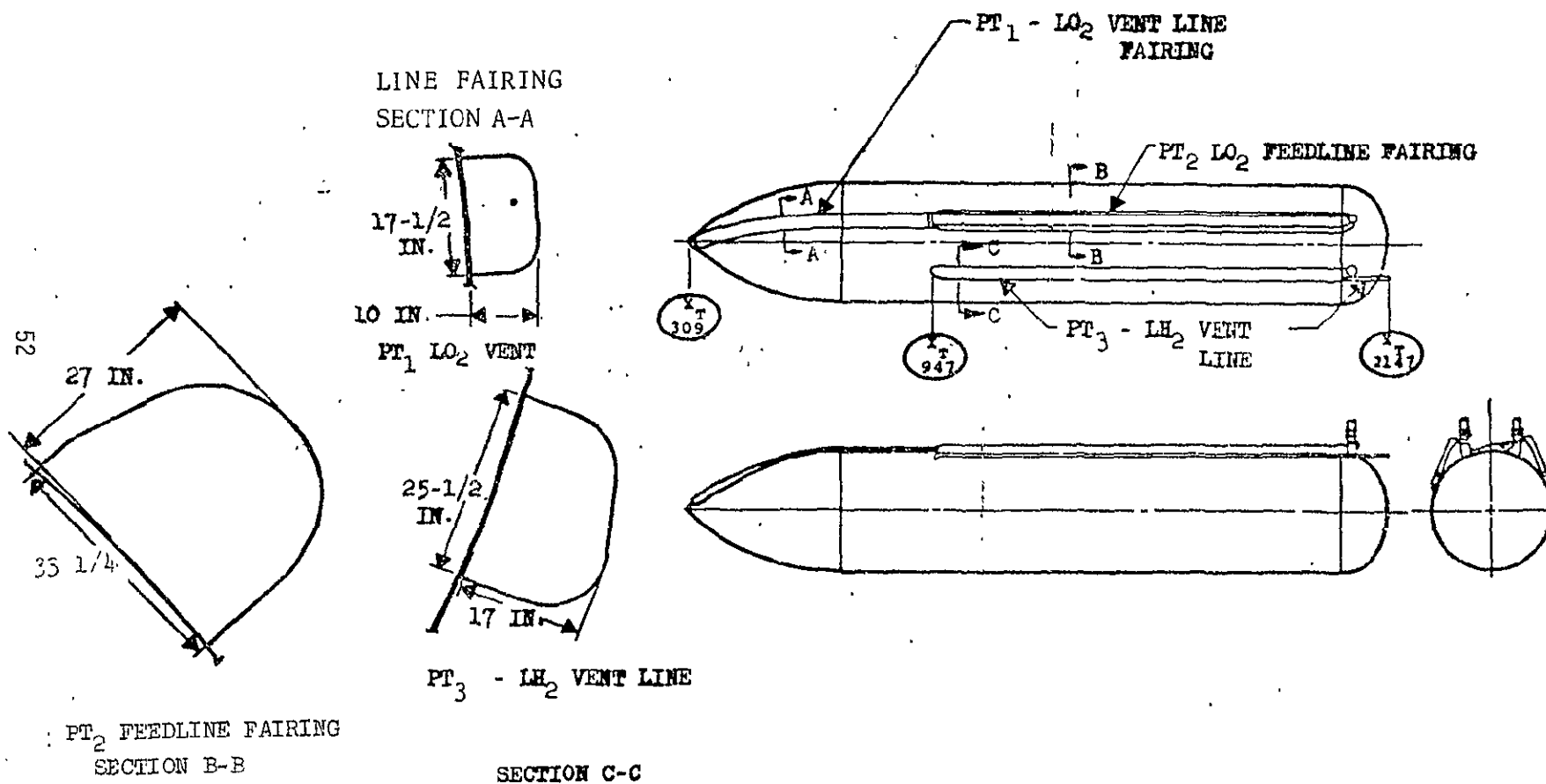
b. SRB Separation from Orbiter/External Tank

Figure 1. - Concluded.



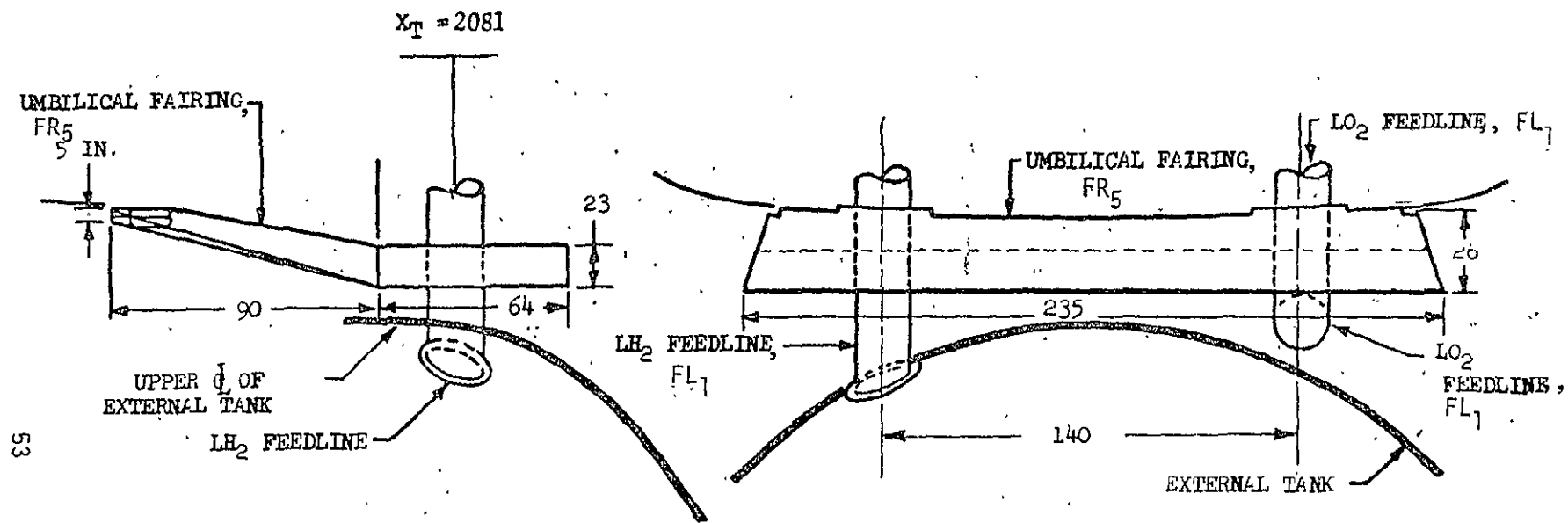
a. Integrated Vehicle Configuration 3

Figure 2. - Model sketches.



b. External Tank Protuberances (PT₁, PT₂, PT₃)

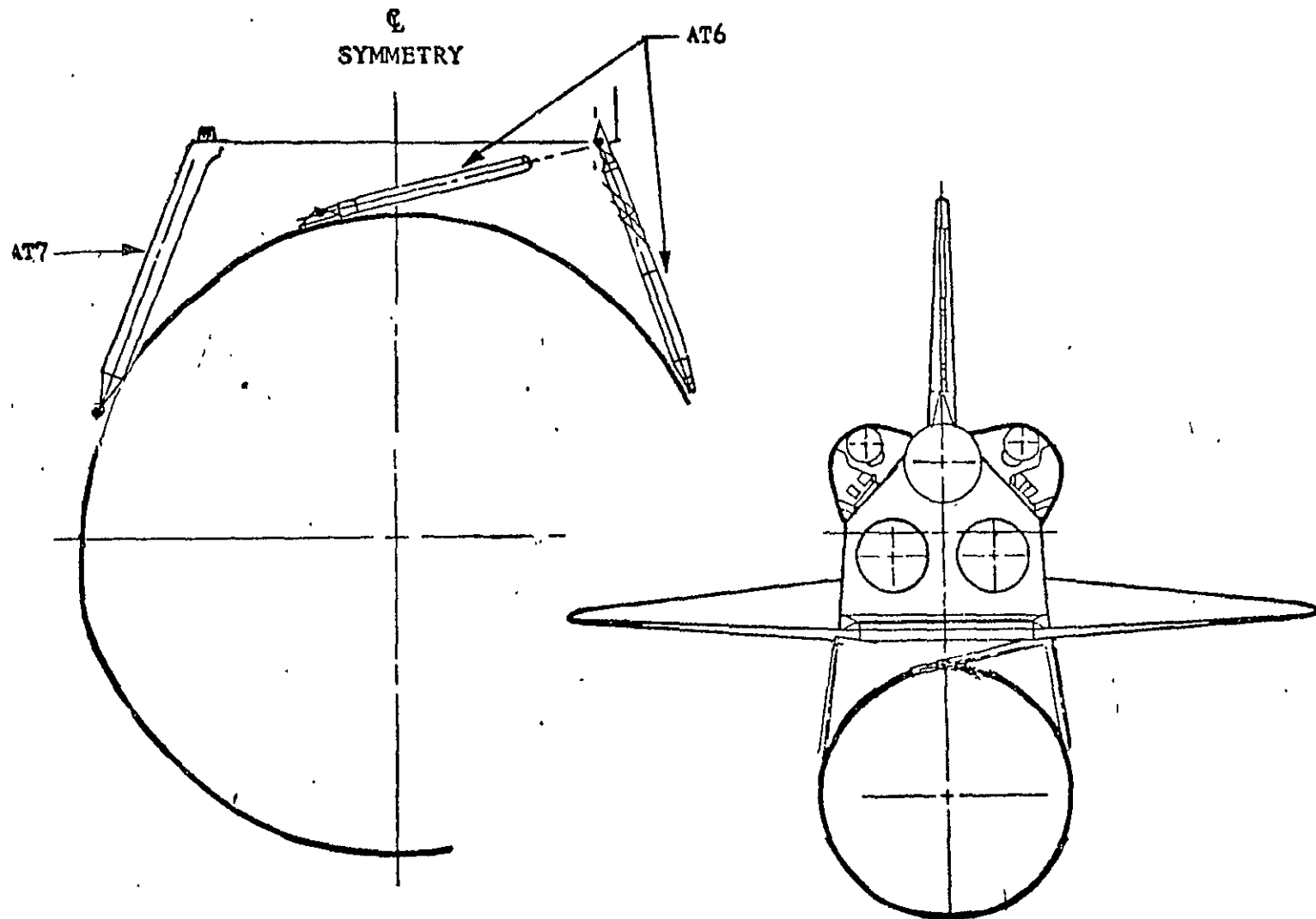
Figure 2. - Continued.



NOTE: ALL DIMENSIONS ARE APPROXIMATE
AND IN INCHES

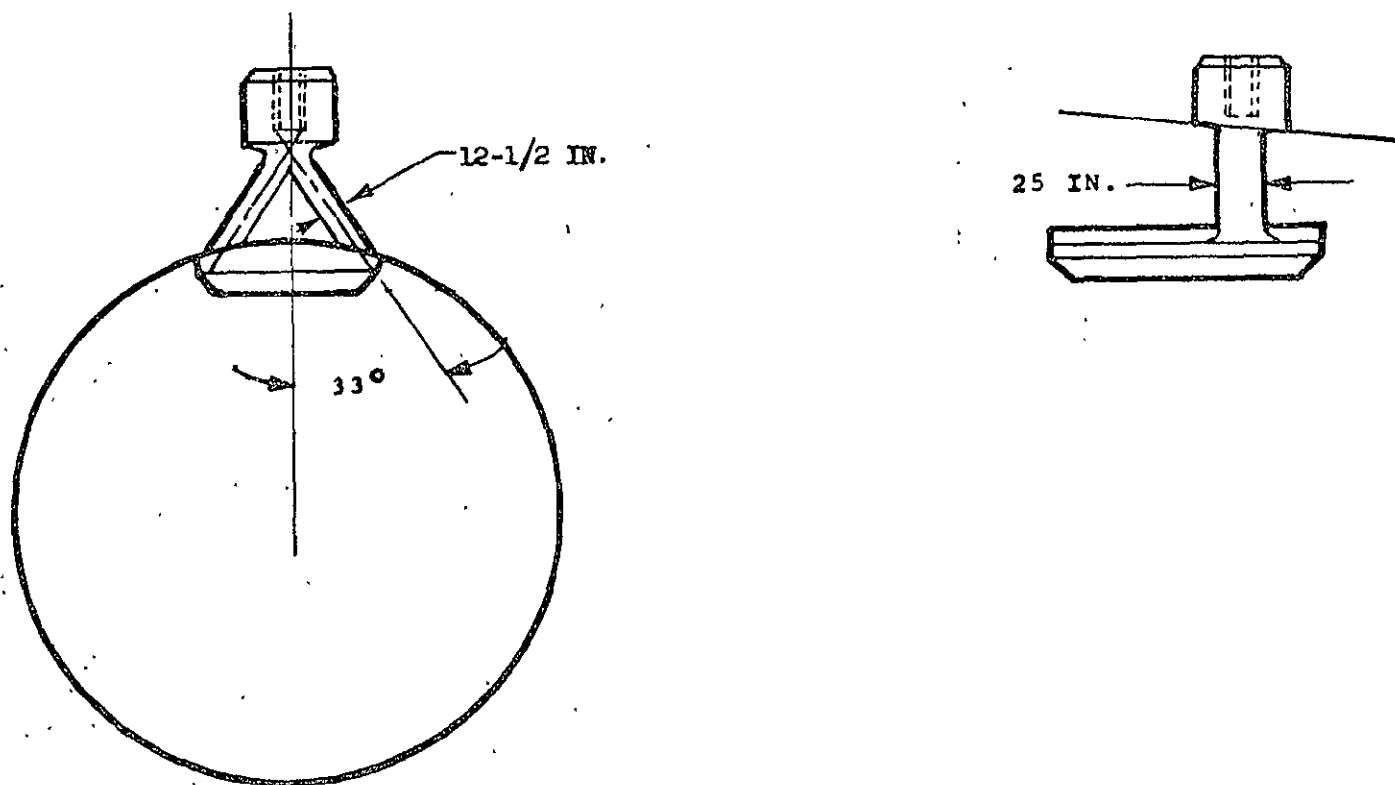
c. Orbiter Umbilical Fairing Support and Feedlines

Figure 2. - Continued.



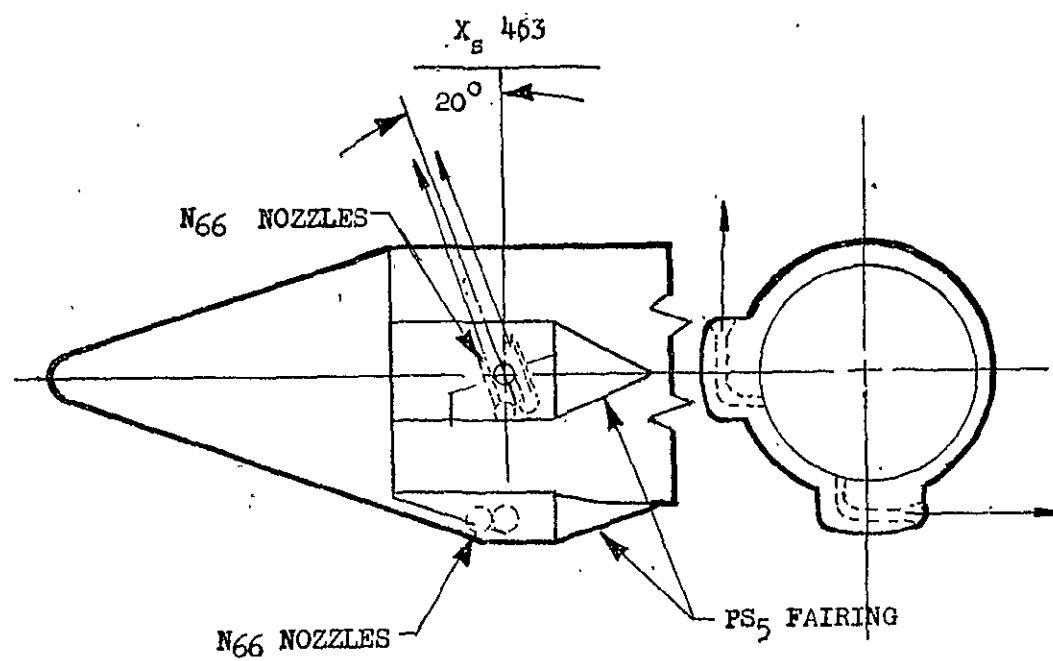
d. Aft Attachment of External Tank to Orbiter

Figure 2. - Continued.



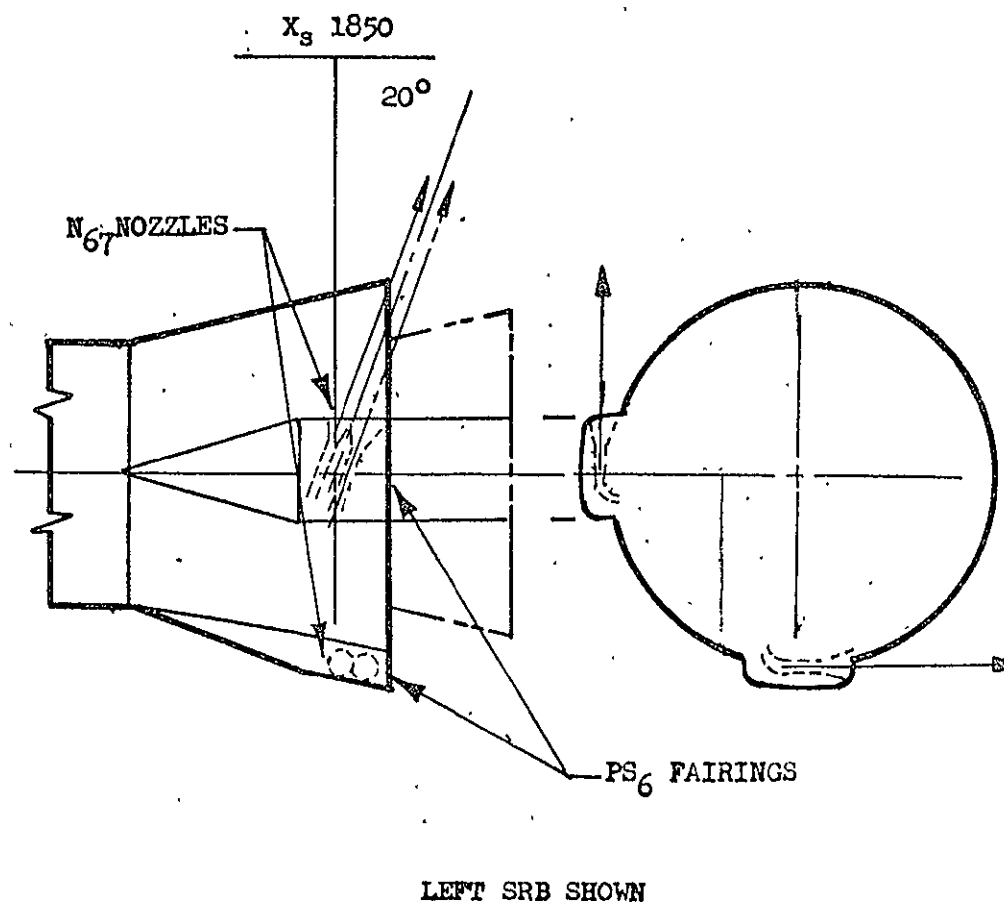
e. Forward Attachment of External Tank to Orbiter (AT₁₁)

Figure 2. - Continued.



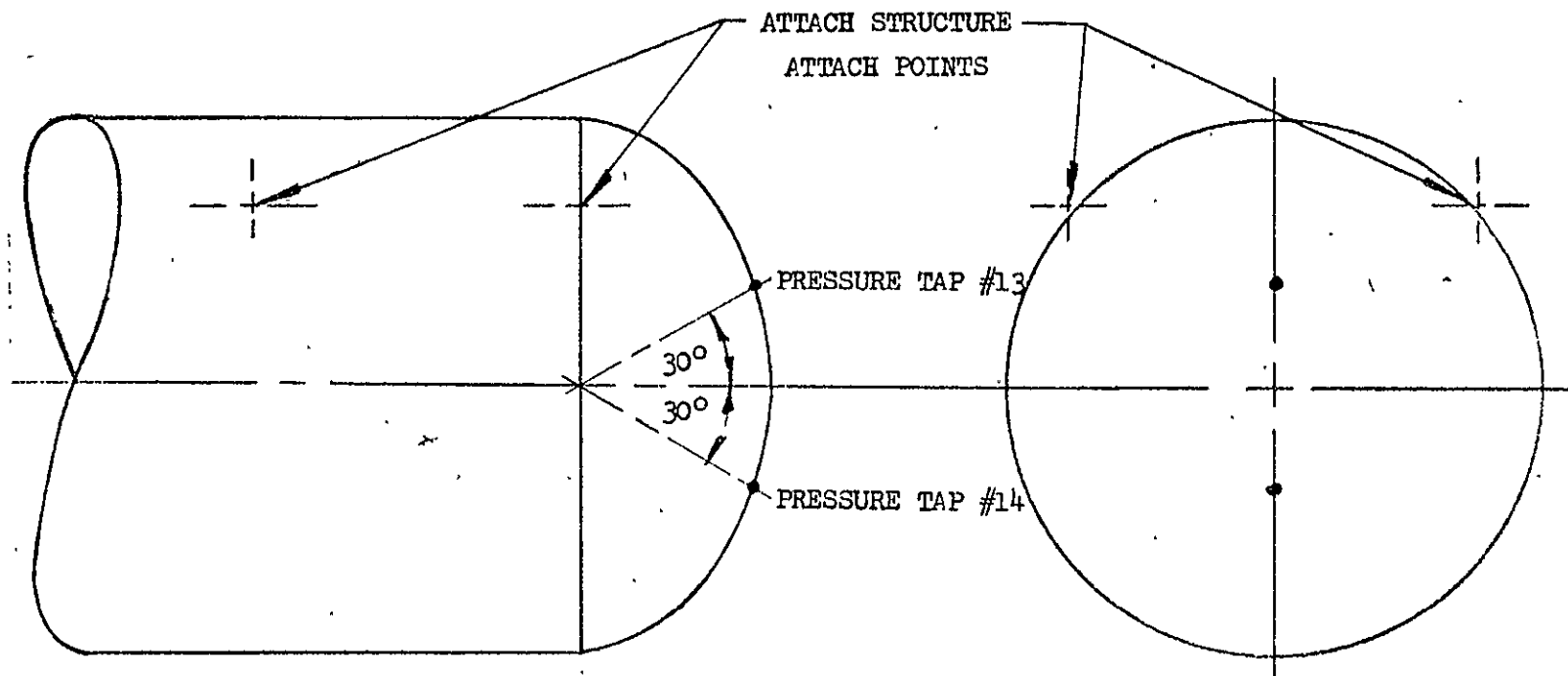
f. SRB Forward Separation Nozzles and Fairings

Figure 2. - Continued.



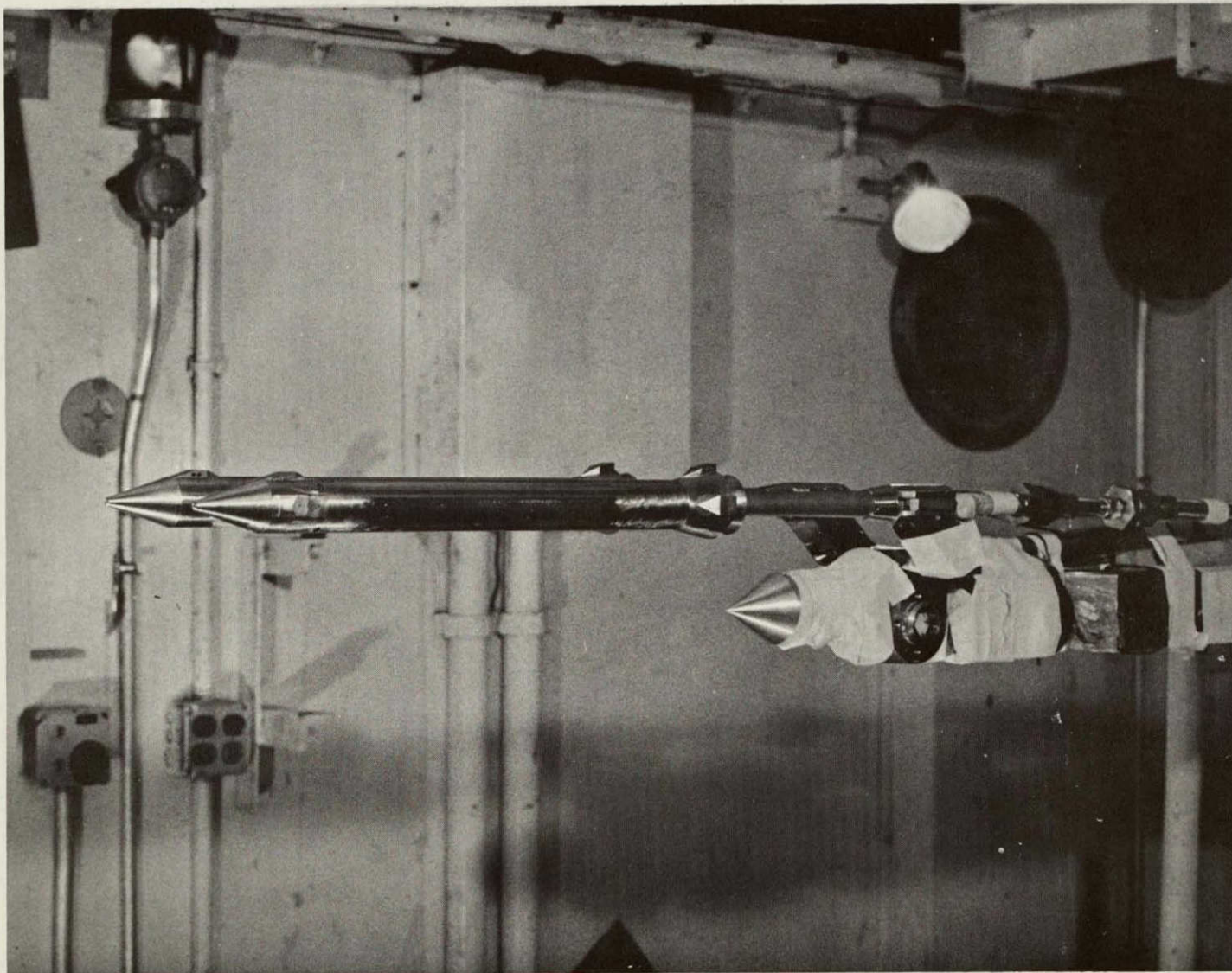
g. SRB Aft Separation Nozzles and Fairings

Figure 2. - Continued.



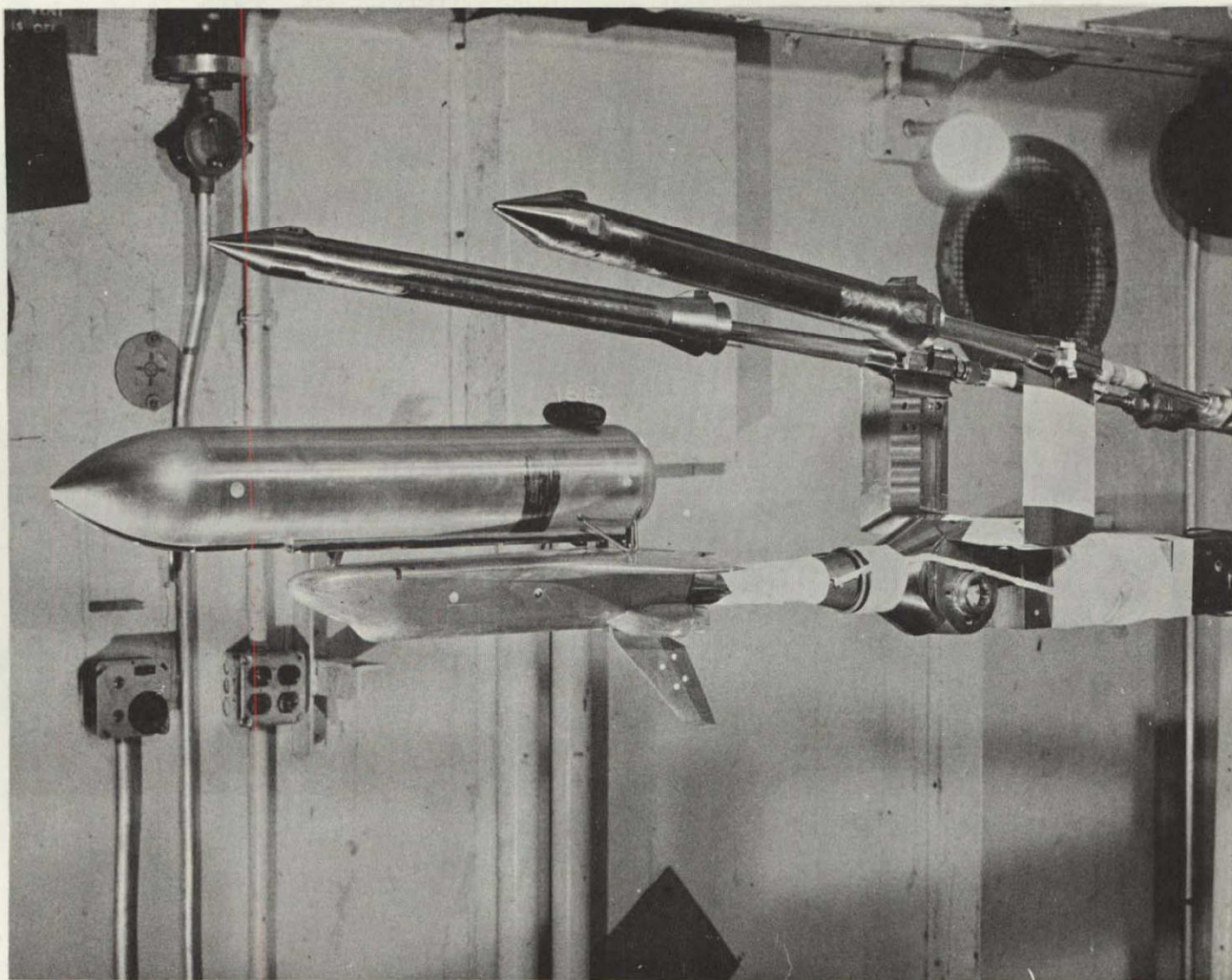
h. External Tank Surface Pressure Tap Locations

Figure 2. - Concluded.



a. Dual Booster Installation without O/ET, Position 1 (Mated Position)

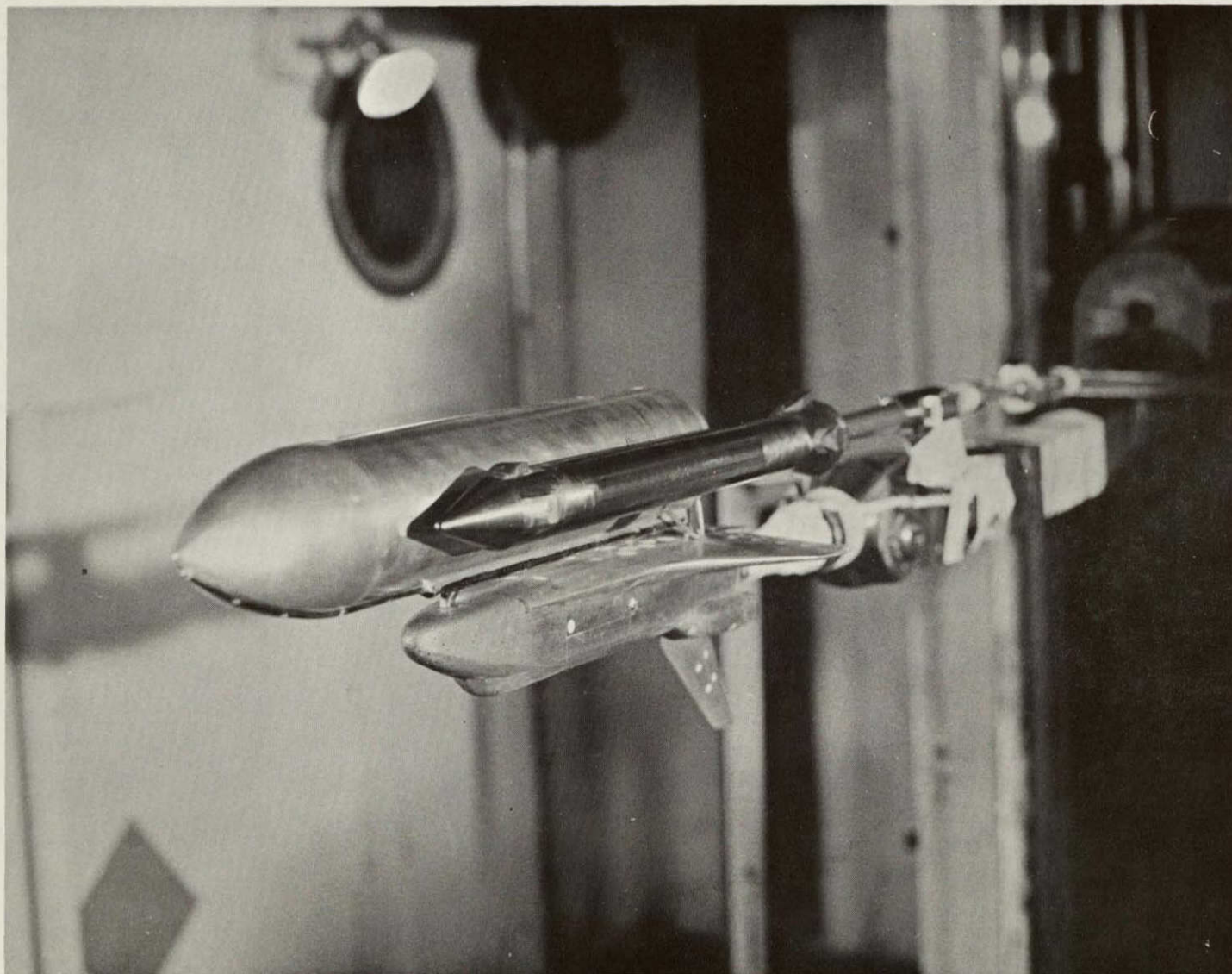
Figure 3. - Model photographs.



b. O/ET with Dual Boosters in Position 3 ($t = 2.0$ sec. on Nominal Separation Trajectory)
Figure 3. - Continued.

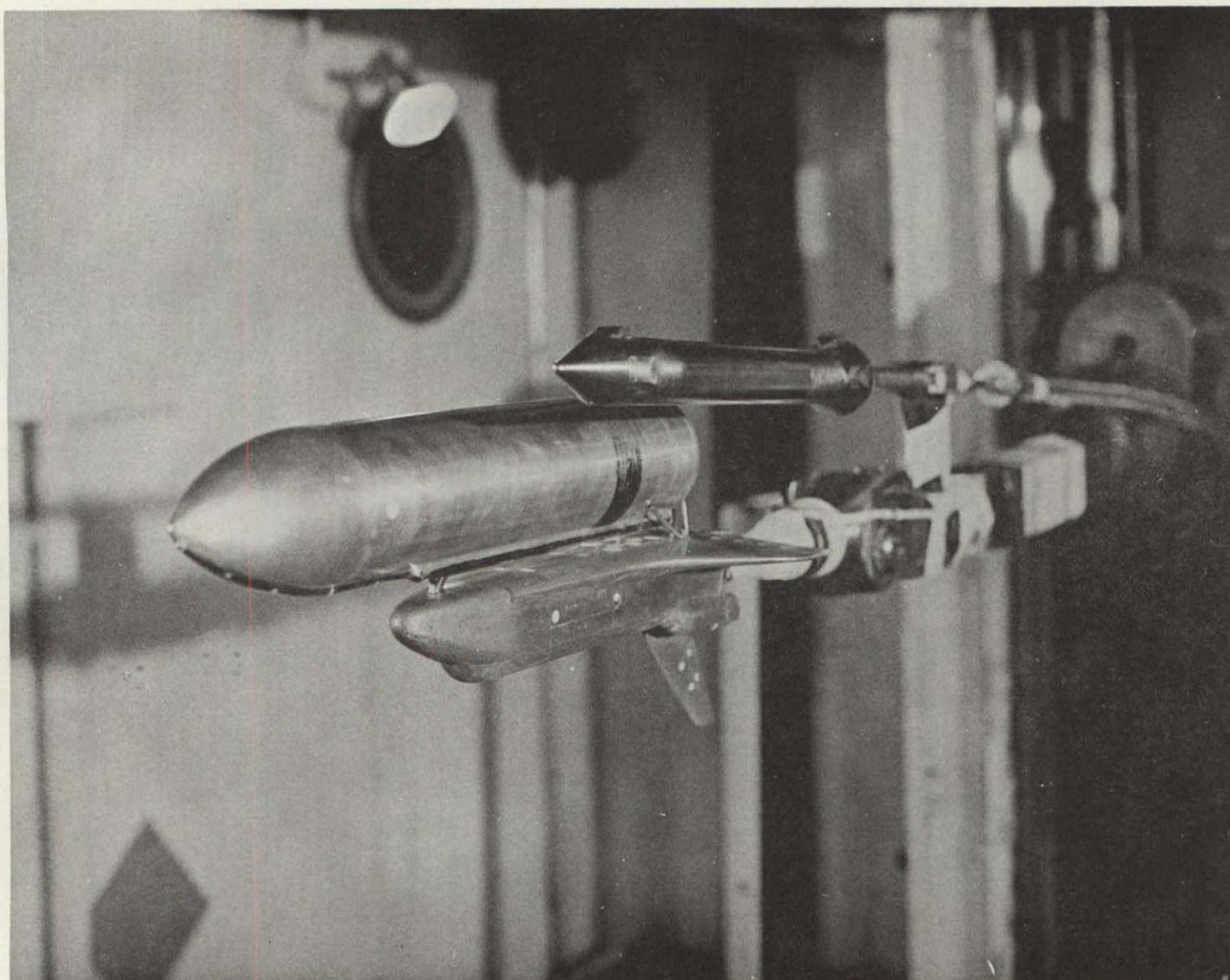
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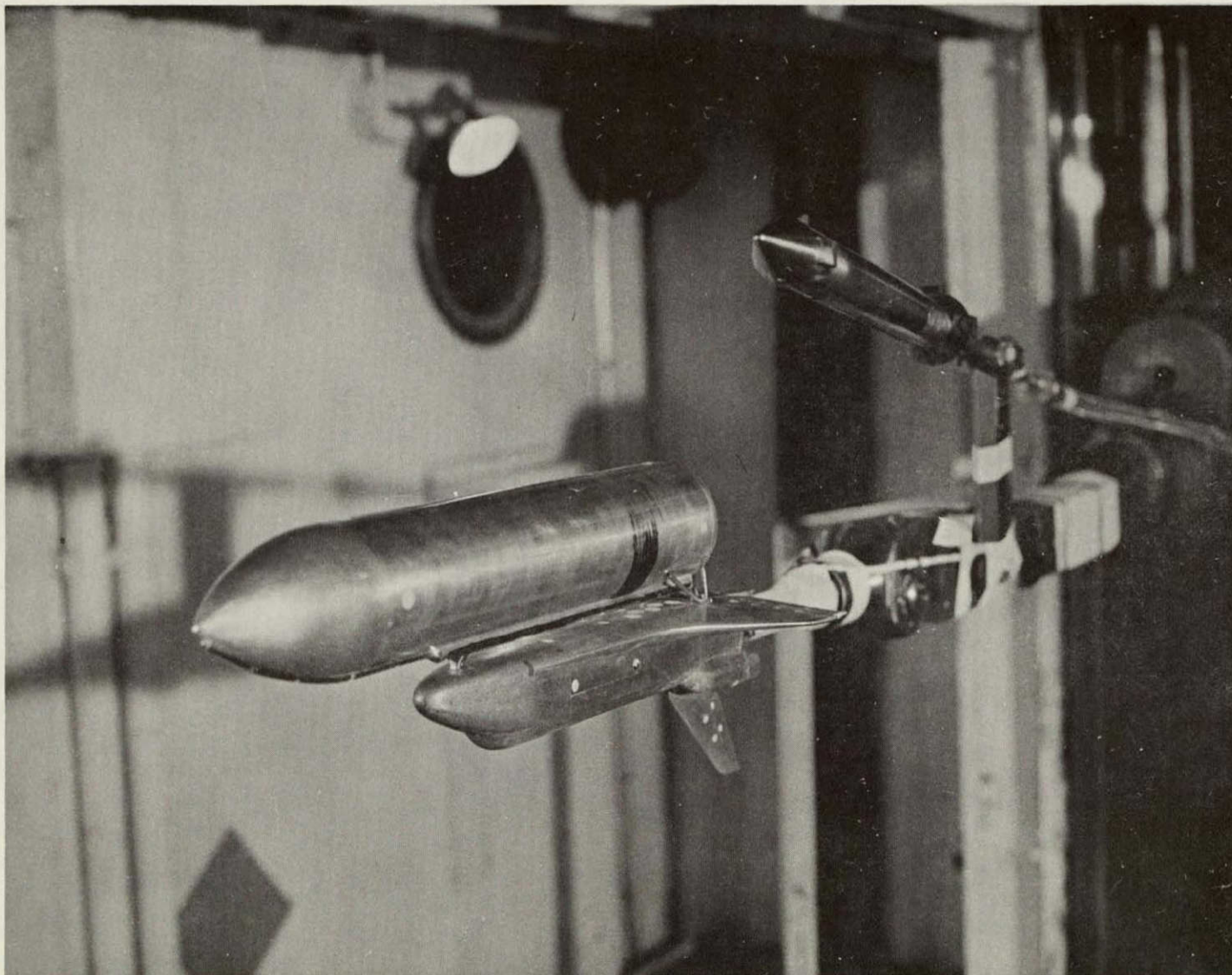
c. O/ET with Right Booster in Position 1 (Mated Position)

Figure 3. - Continued.



d. O/ET with Right Booster in Position 2 ($t = 1.25$ sec. on Nominal Separation Trajectory)

Figure 3. - Continued.



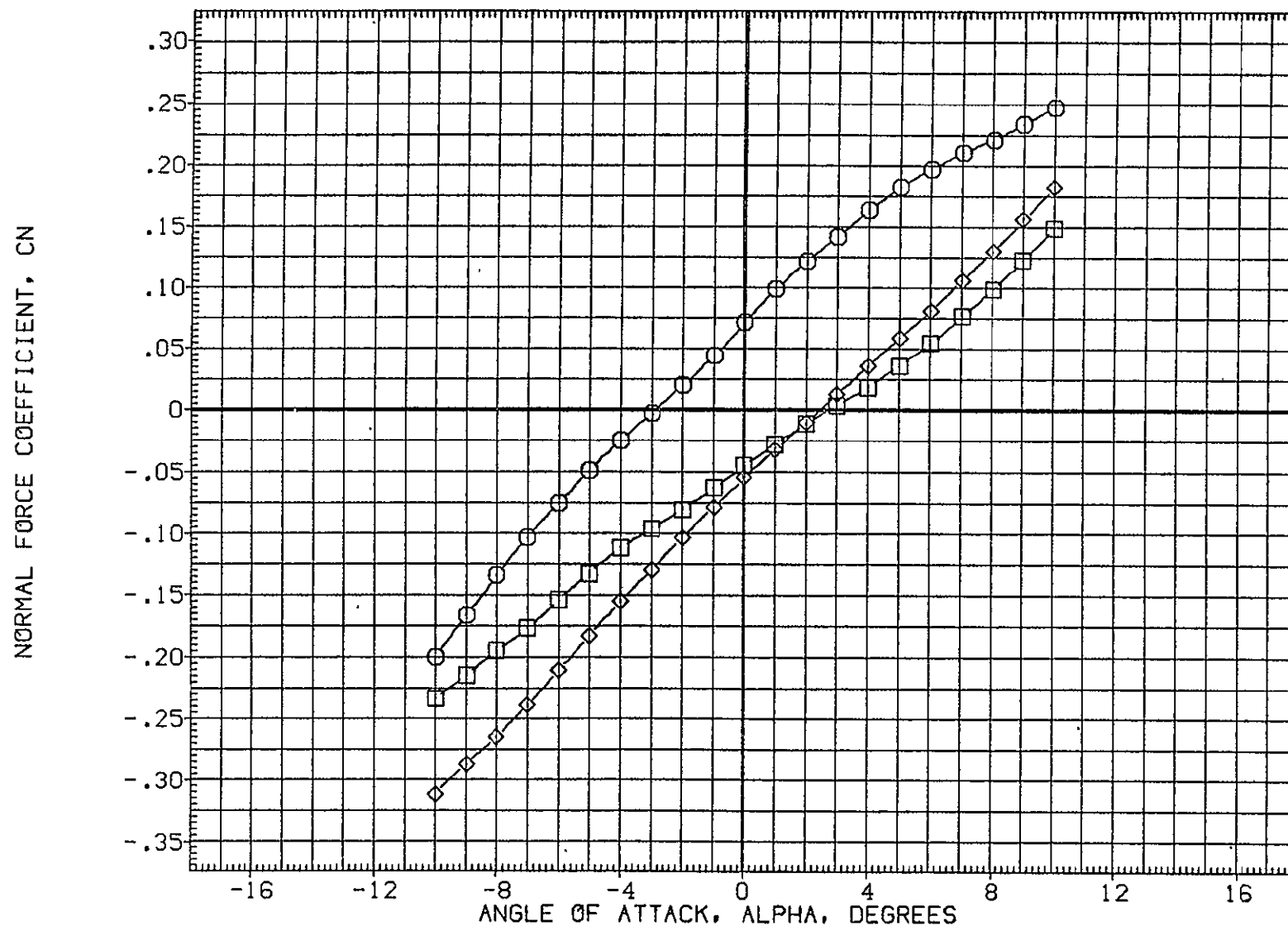
e. 0/ET with Right Booster in Position 3 ($t = 2.0$ sec. on Nominal Separation Trajectory)

Figure 3. - Concluded.

DATA FIGURES

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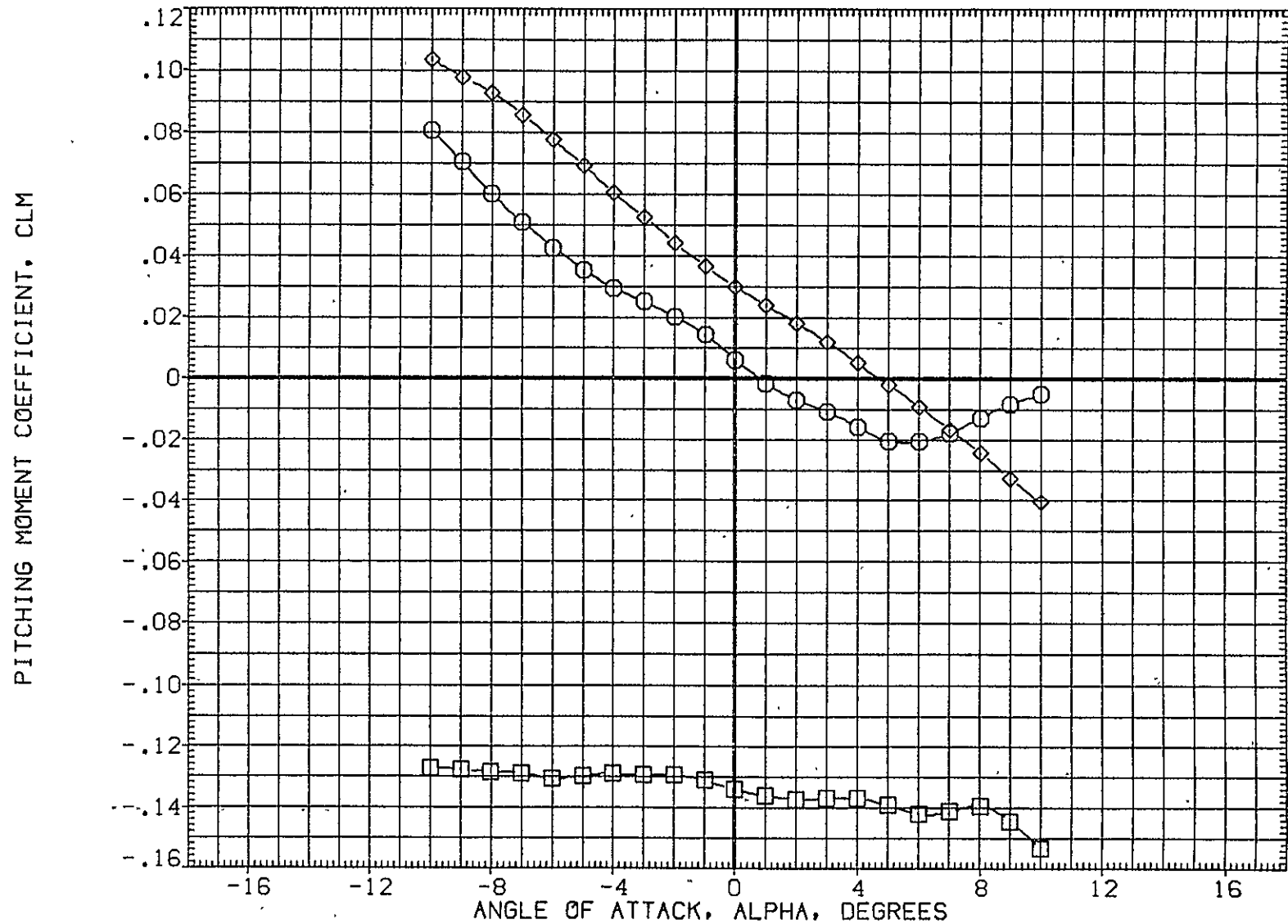
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(R10040)	○ AEDC VA422 (A61) O/ET DATA (SRB SEPRNG)	1.100	750.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATL036)	□ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	750.000	1.760	.000	LREF 1290.3000 IN.
(ATL001)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100



EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 1.1)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(RT0040)	AEDC VA422 (A61 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	750.000	1.760	.000	SREF 2690.0000 50.FT.
(ATL036)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	750.000	1.760	.000	LREF 1290.3000 IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100



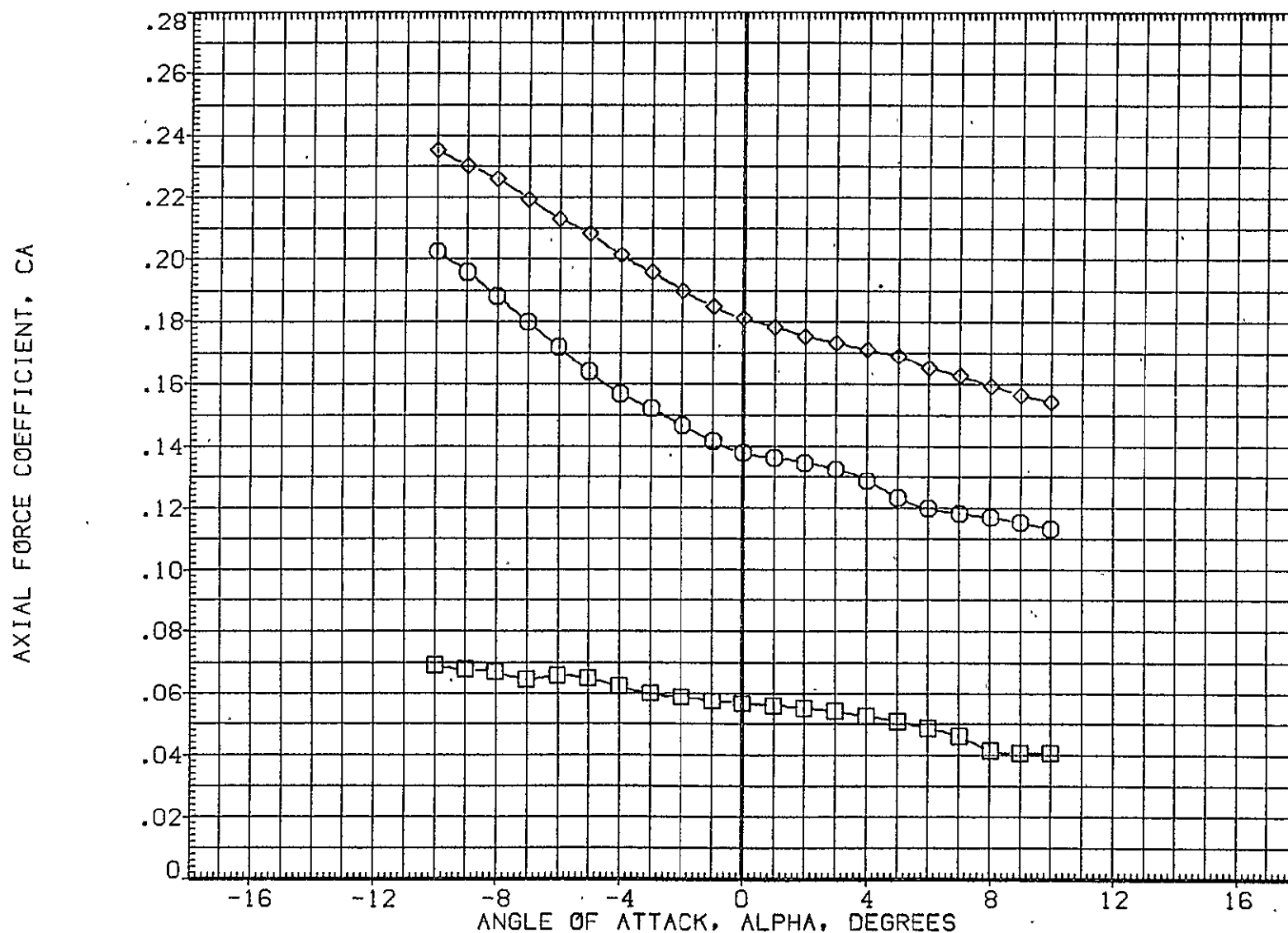
EFFECT OF BOTH SRB ENGINE PLUMES ON 0/ET AERO. CHARACT. (SRB POS 1.1)

(A)MACH = 4.50

PAGE

2

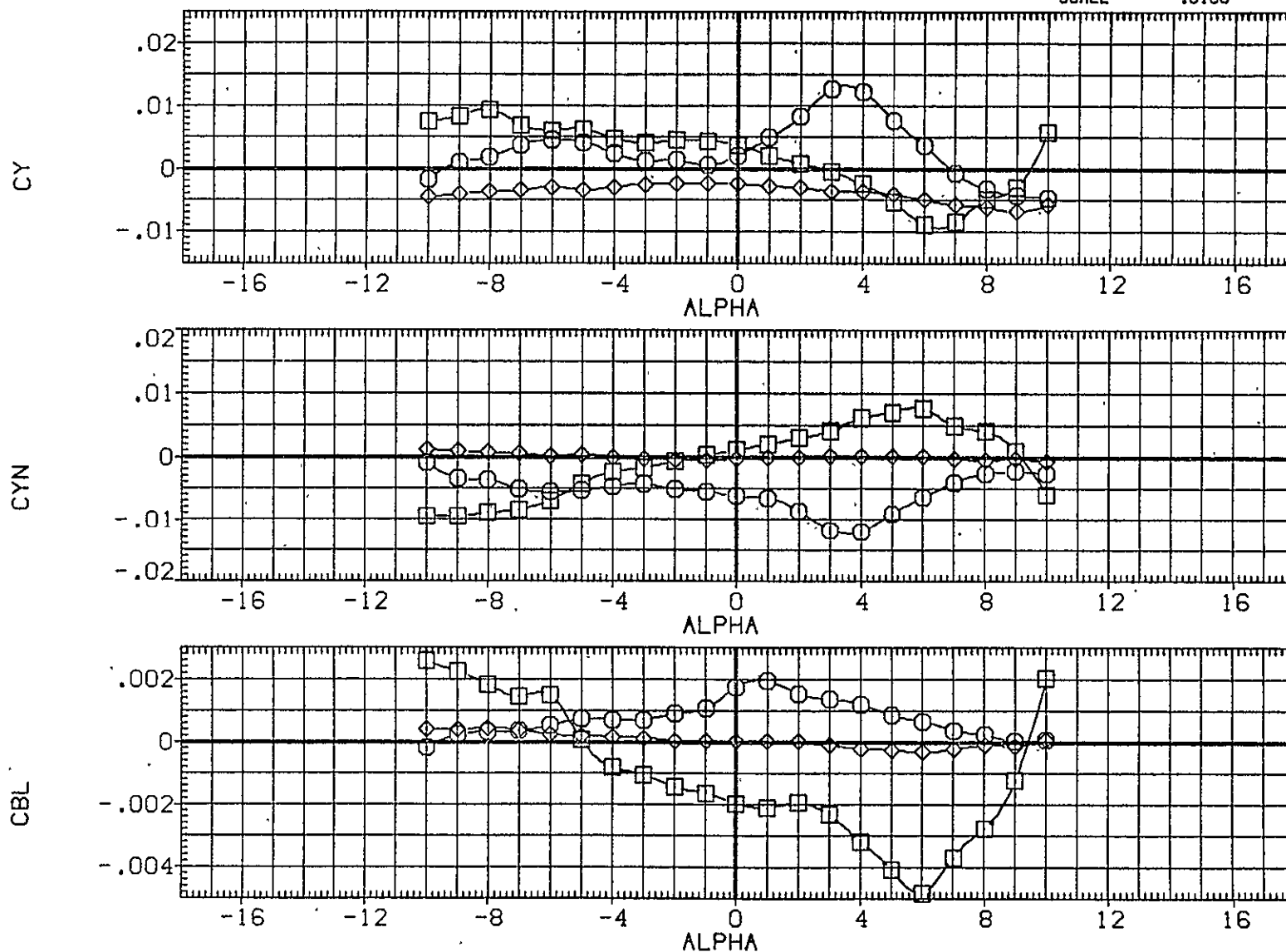
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0040)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	1.100	750.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATLO36)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	750.000	1.760	.000	LREF	1290.3000	IN.
(ATLO01)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 1.1)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0040)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRYNG)	1.100	750.000	1.760	.000	SREF	2690.0000	50.FT.
(ATL036)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	750.000	1.760	.000	LREF	1290.3000	IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

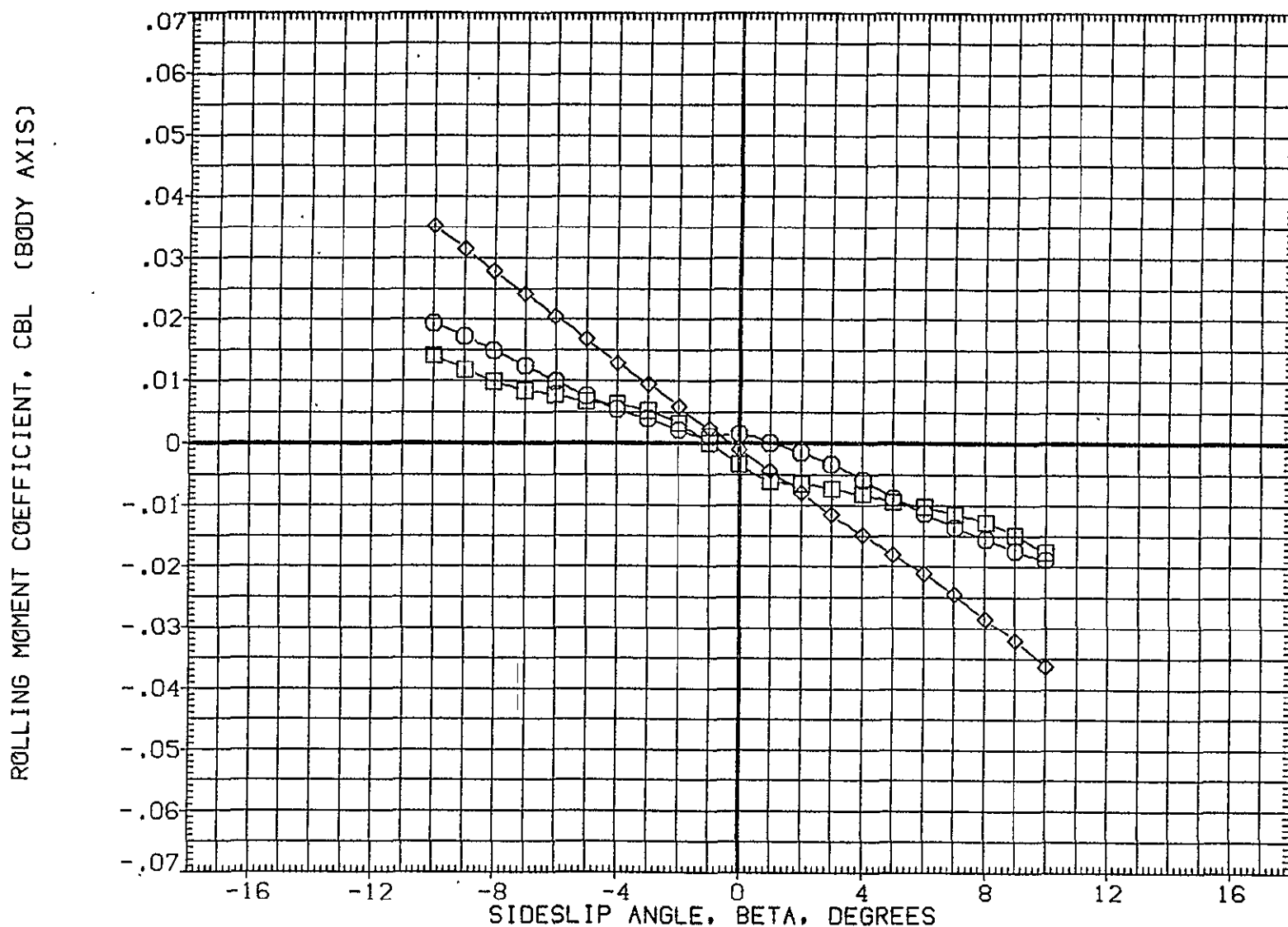


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 1.1)

(A)MACH = 4.50

PAGE

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(R10041)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	1.100	750.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL037)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	750.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

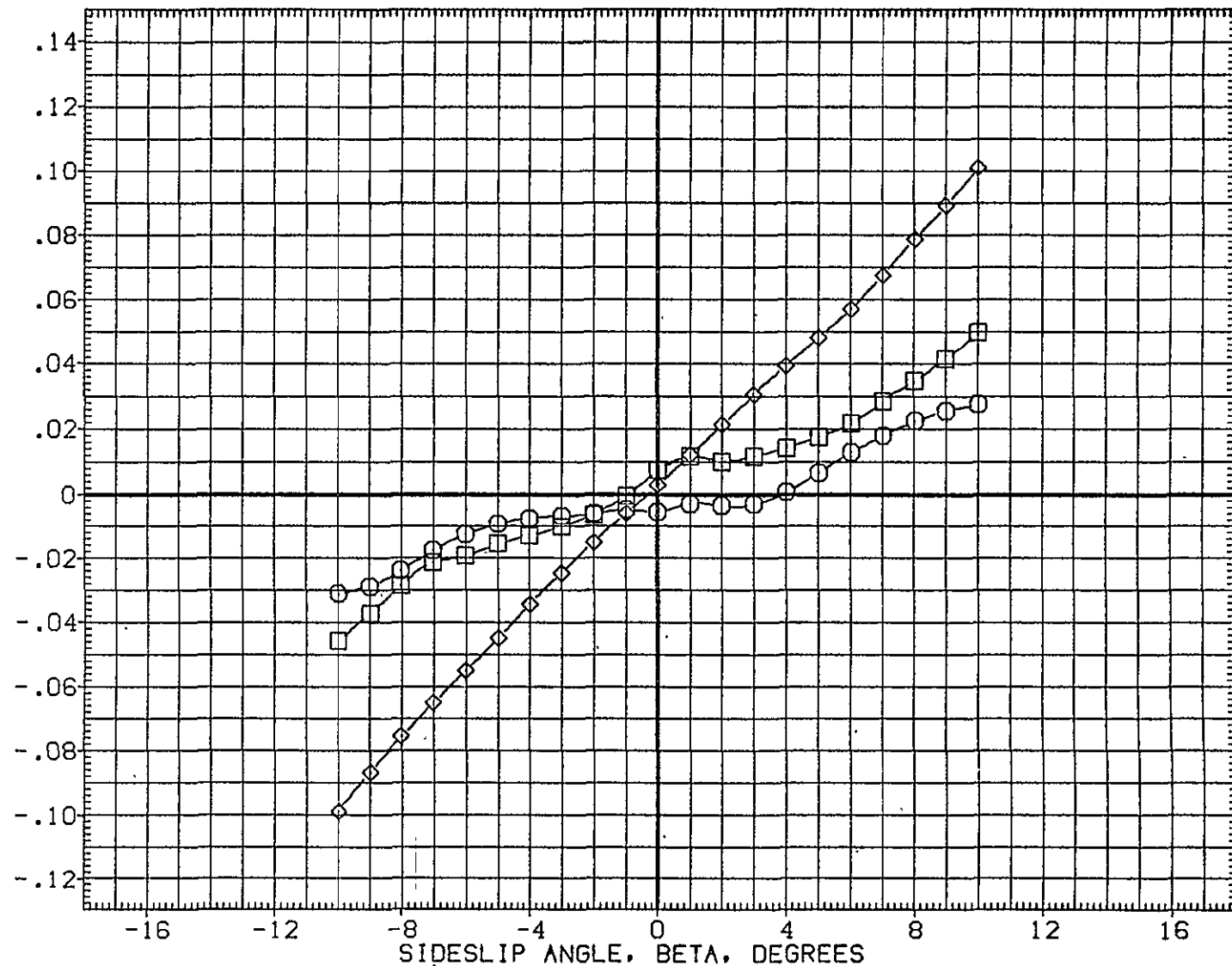


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 1.1)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RT0041)	AEDC VA422 (A61 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	750.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATL037)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	750.000	1.760	.000	LREF	1290.3000 IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

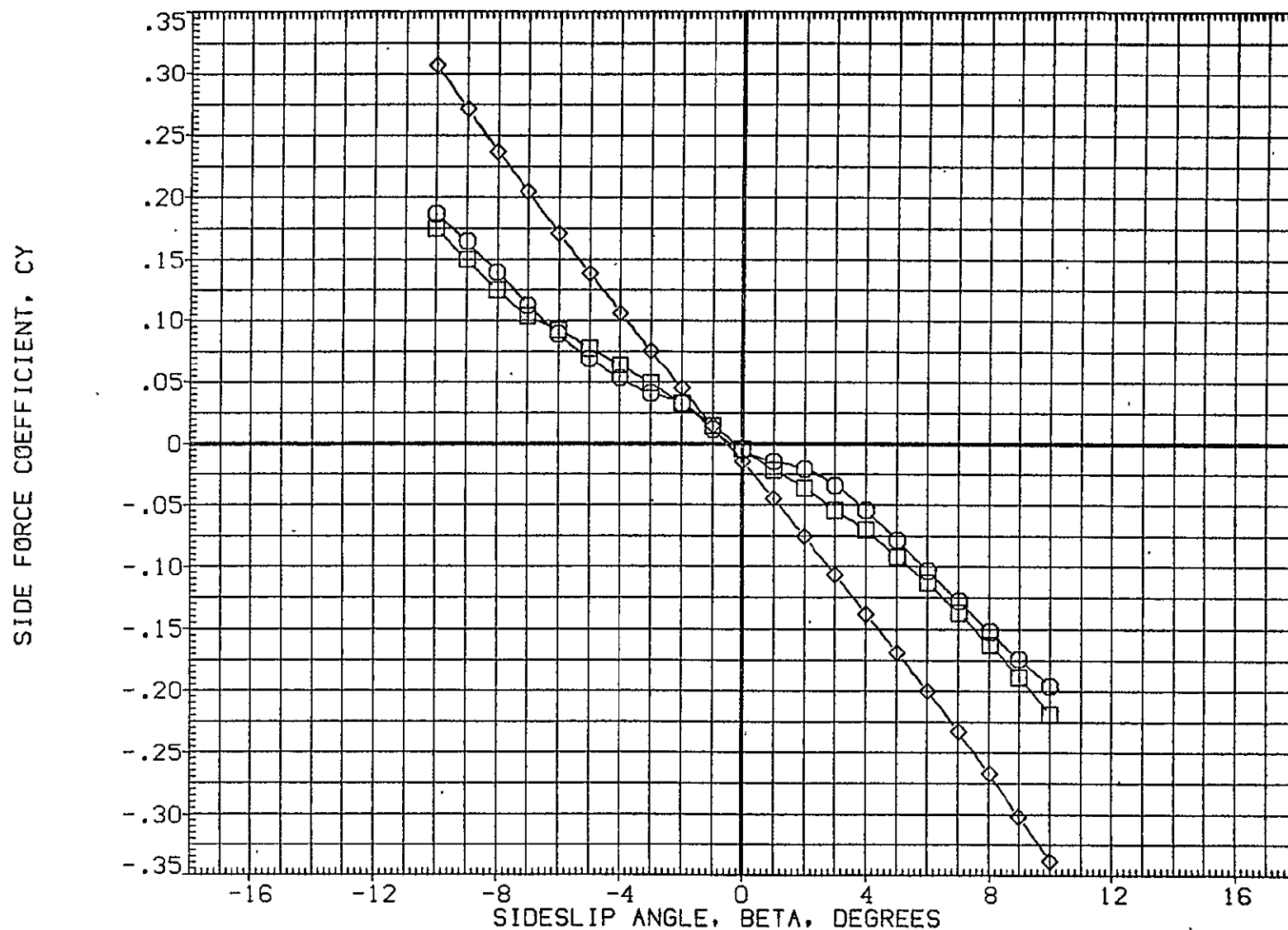


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 1.1)

(A)MACH = 4.50

PAGE 6

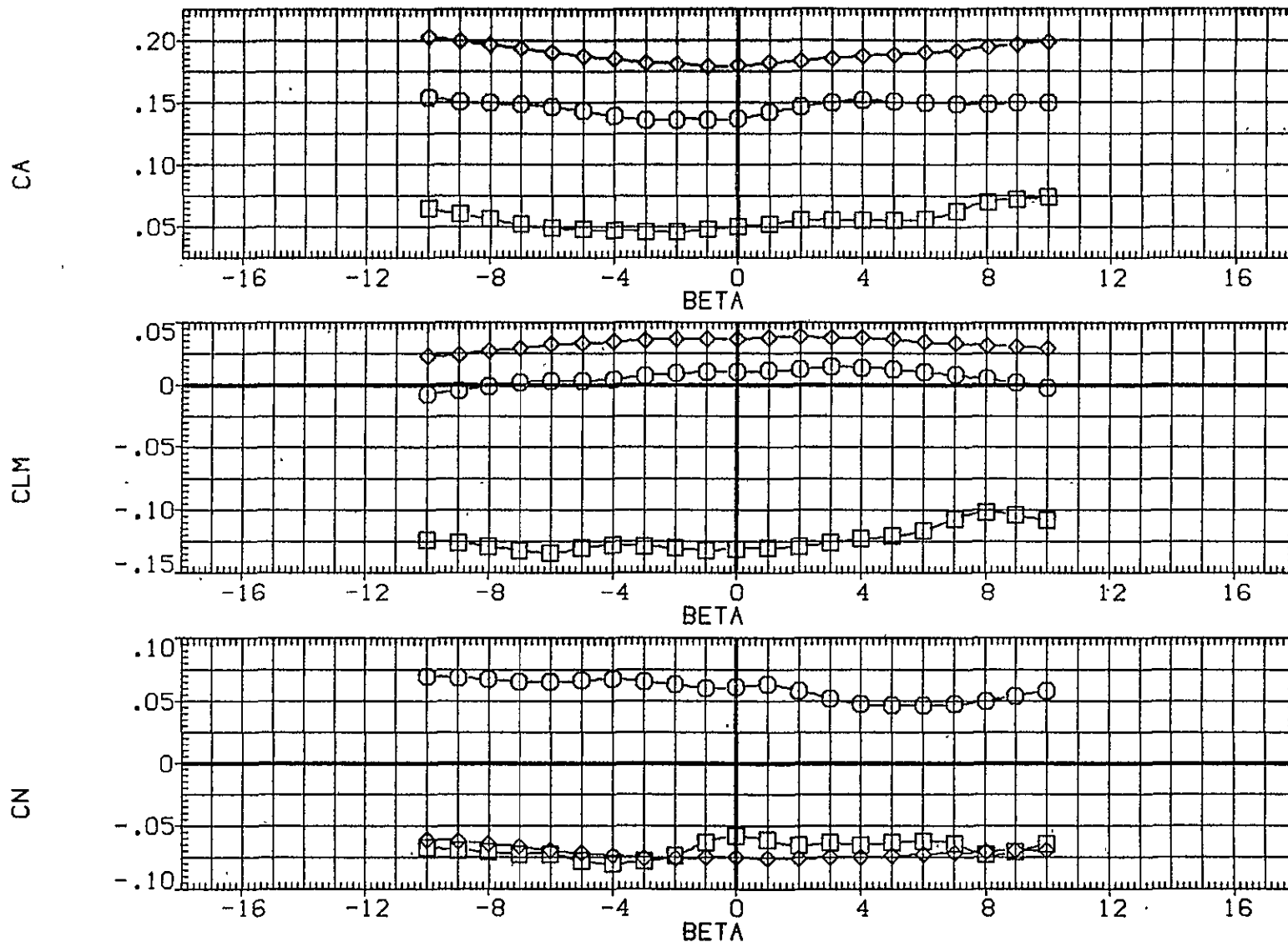
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0041)	○ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	1.100	750.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL037)	□ AEDC VA-422(1A-57). ORB/ET W/BOTH SRB	1.100	750.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	◇ AEDC VA-422(1A-57). ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 1.1)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0041)	○ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRING)	1.100	750.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL037)	□ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	750.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

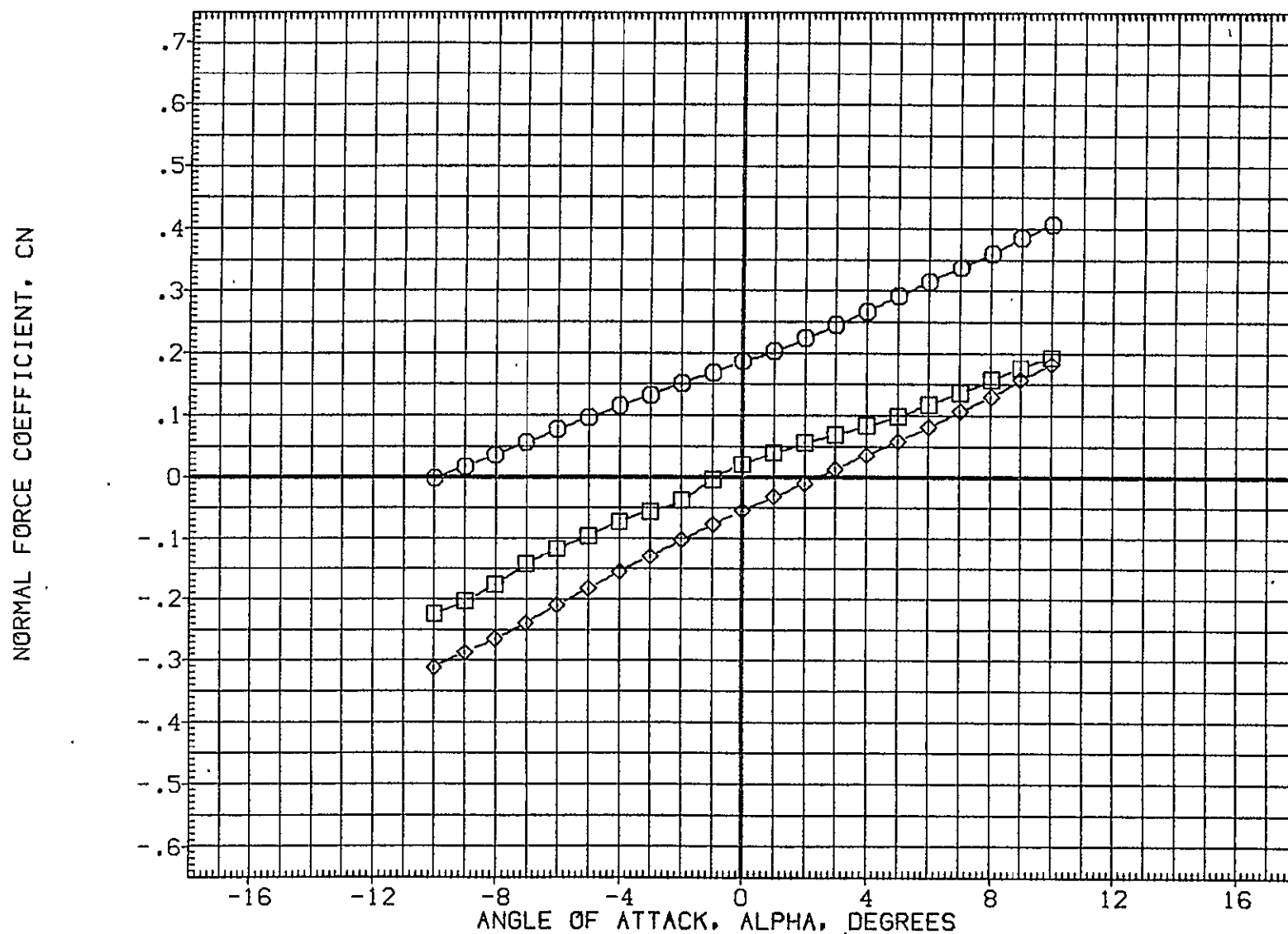


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 1.1)

(A)MACH = 4.50

PAGE 8

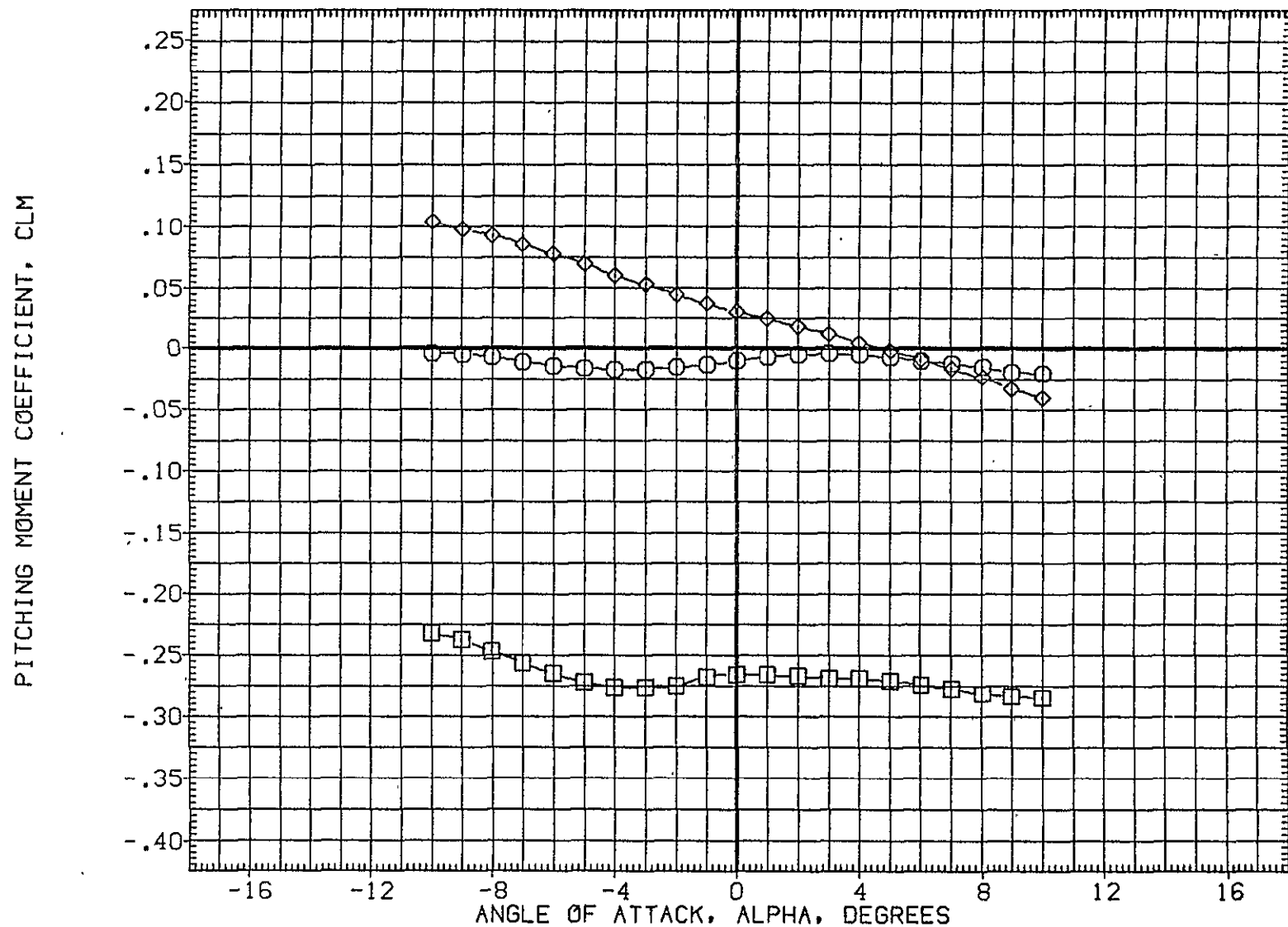
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0042)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	1500.000	1.760	.000	SREF	2690.0000	50.FT.
(ATL038)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF BOTH SRB ENGINE PLUMES ON 0/ET AERO. CHARACT. (SRB POS 1.1)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(RT0042)	○ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATLO38)	□ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	1500.000	1.760	.000	LREF 1290.3000 IN.
(ATLO01)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100

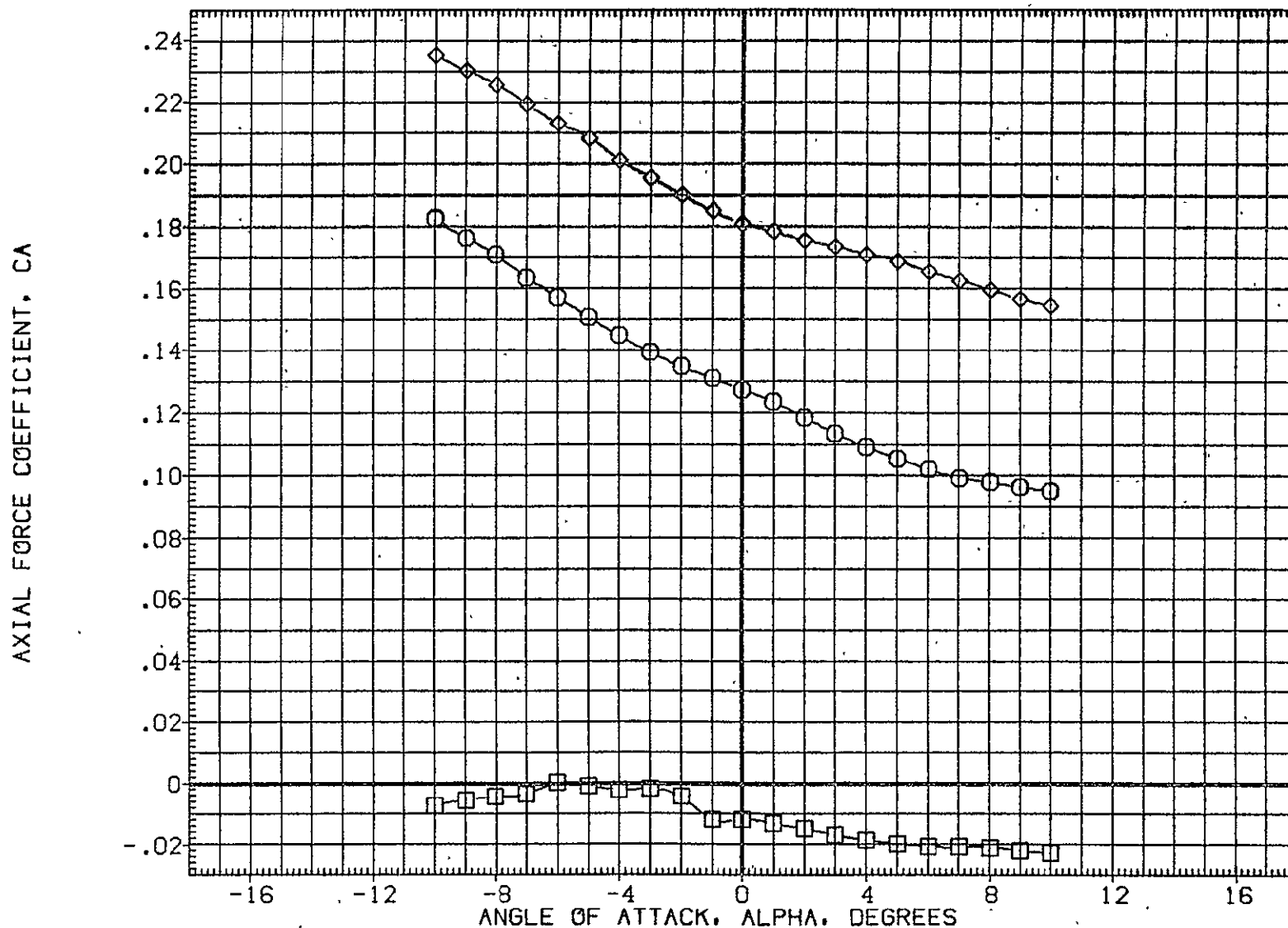


EFFECT OF BOTH SRB ENGINE PLUMES ON 0/ET AERO. CHARACT. (SRB POS 1.1)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(RTQ042)	□ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRTNG)	1.100	1500.000	1.760	.000	SREF	2590.0000 SQ.FT.
(ATL038)	□ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	1500.000	1.760	.000	LREF	1290.3000 IN.
(ATL001)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
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						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

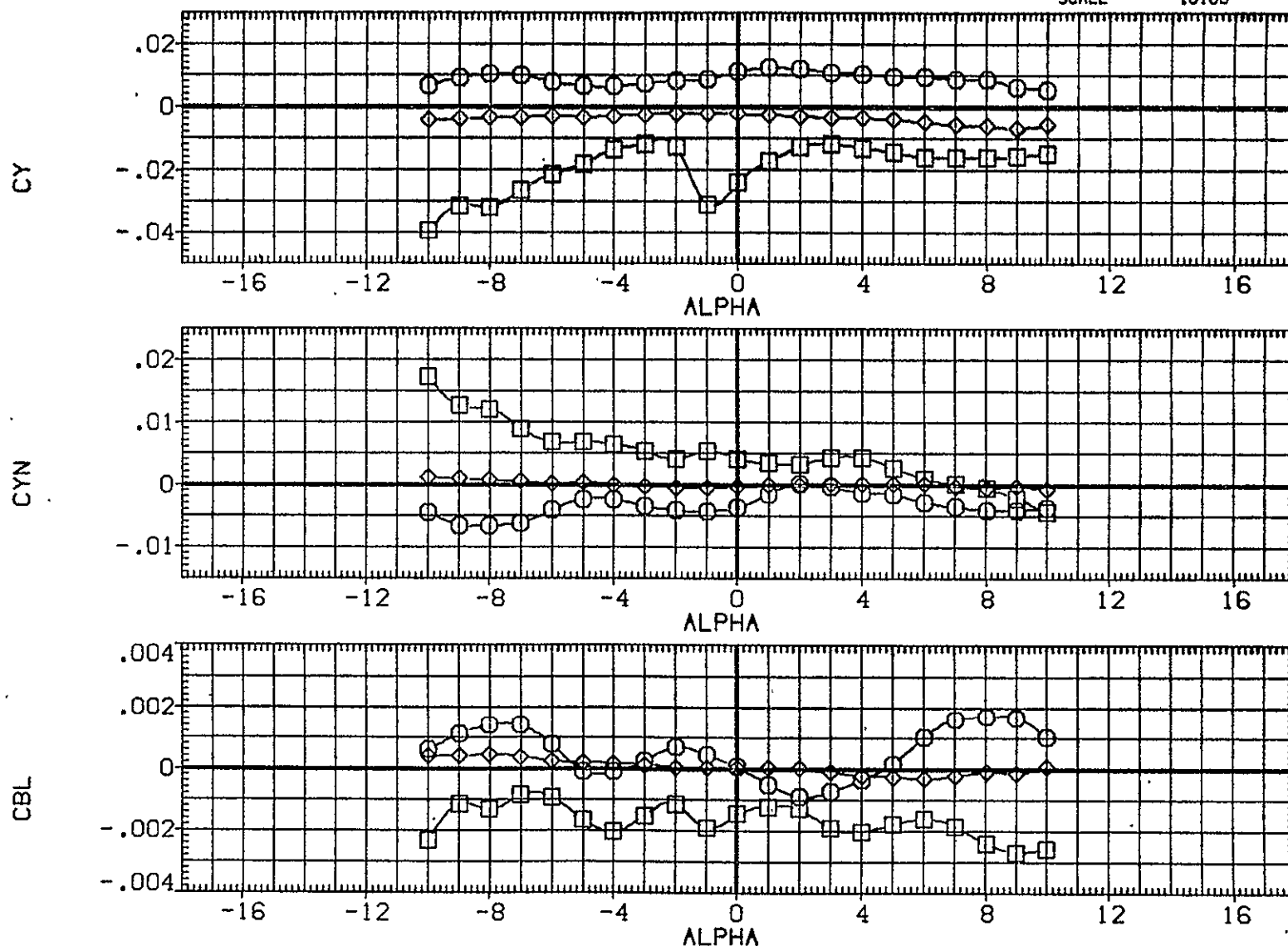


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 1.1)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(RT0042)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRING)	1.100	1500.000	1.760	.000	SREF	2690.0000 SD.FT.
(ATLO38)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	1500.000	1.760	.000	LREF	1290.3000 IN.
(ATLO01)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100



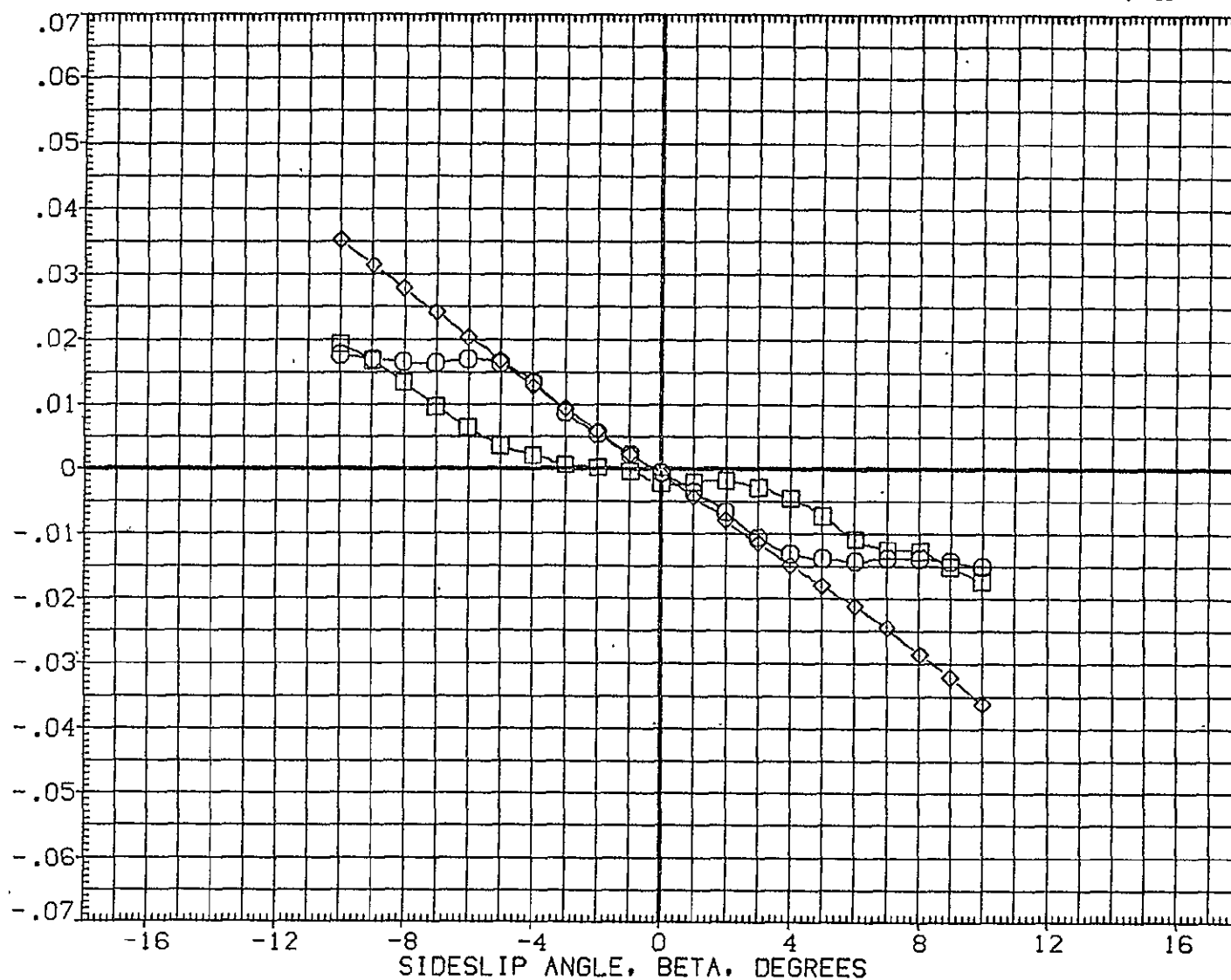
EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 1.1)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RT0045)	○ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATL039)	□ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	1500.000	1.760	.000	LREF	1290.3000 IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

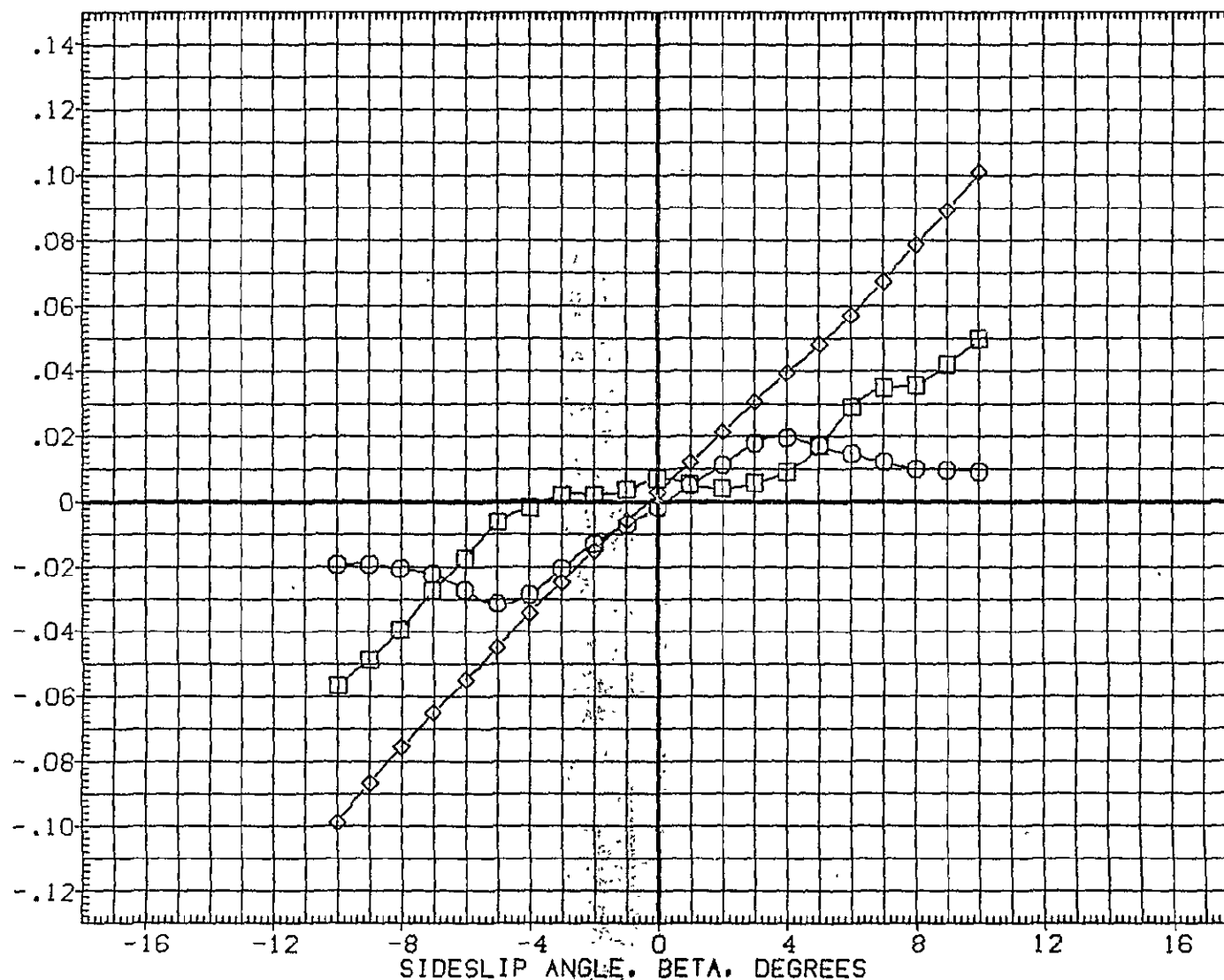


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 1.1)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(RT0045)	AEDC VA422 (A6) O/E/T/S O/E/T DATA (SRB SEPRNG)	1.100	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATL039)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	1500.000	1.760	.000	LREF 1290.3000 IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.YT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

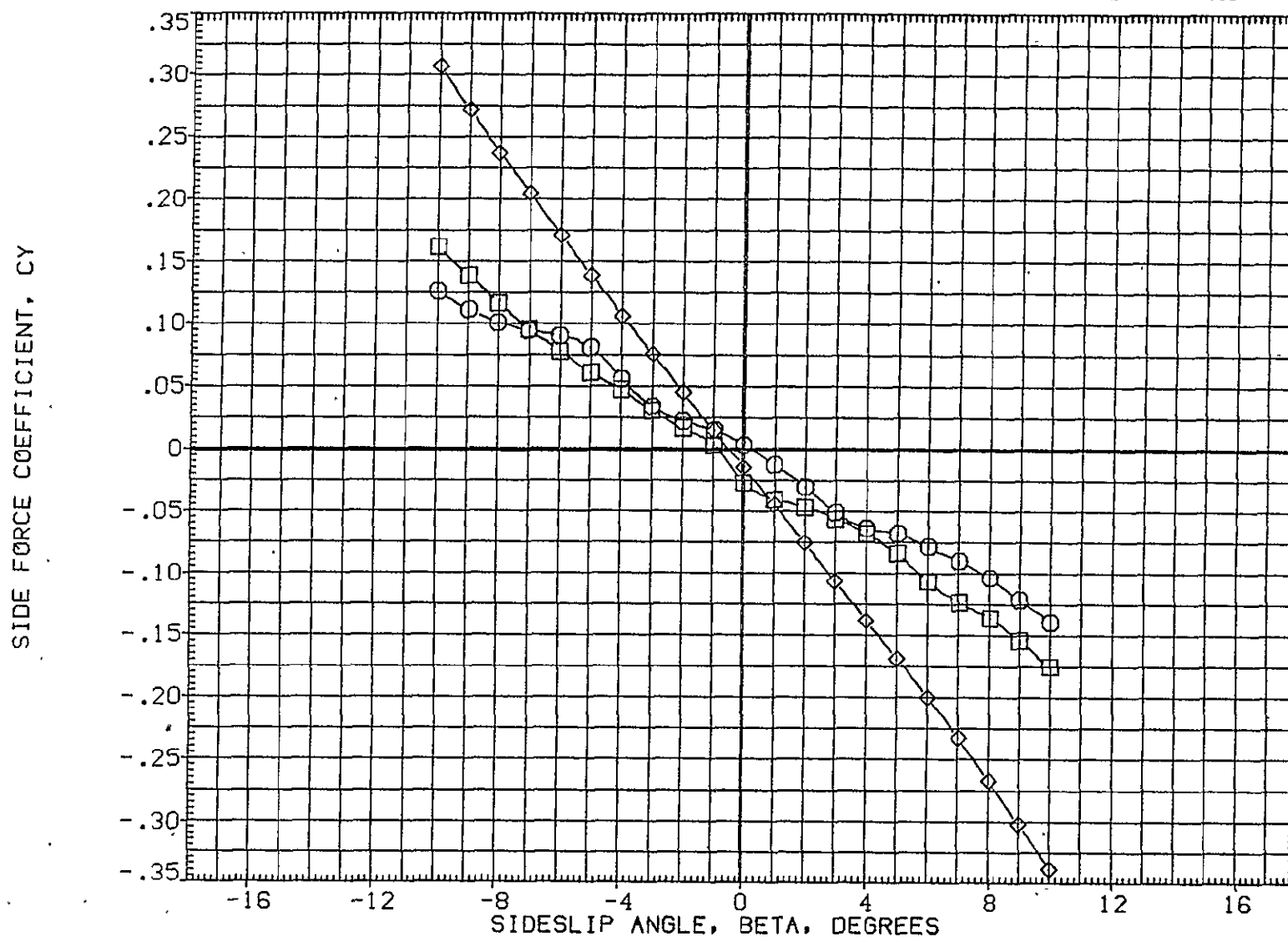


EFFECT OF BOTH SRB ENGINE PLUMES ON O/E/T AERO. CHARACT. (SRB POS 1.1)

(A)MACH = 4.50

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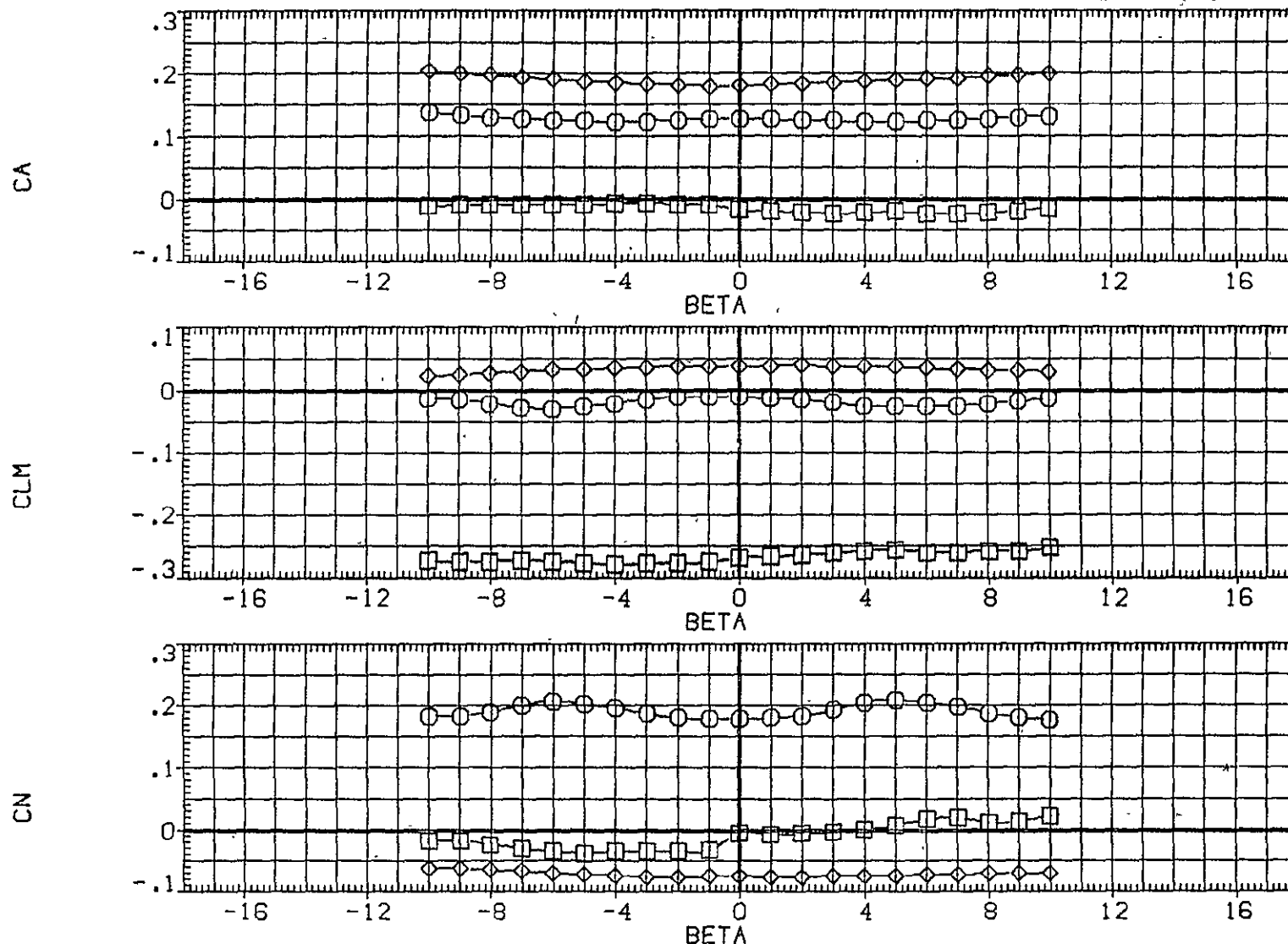
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RT0045)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	1500.000	1.760	.000	SREF	2690.0000 SO.FT.
(ATLO39)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	1500.000	1.760	.000	LREF	1290.3000 IN.
(ATLO02)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100



EFFECT OF BOTH SRB ENGINE PLUMES ON 0/ET AERO. CHARACT. (SRB POS 1.1)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RT0045)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	1.100	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATL039)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	1500.000	1.760	.000	LREF	1290.3000 IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
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						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

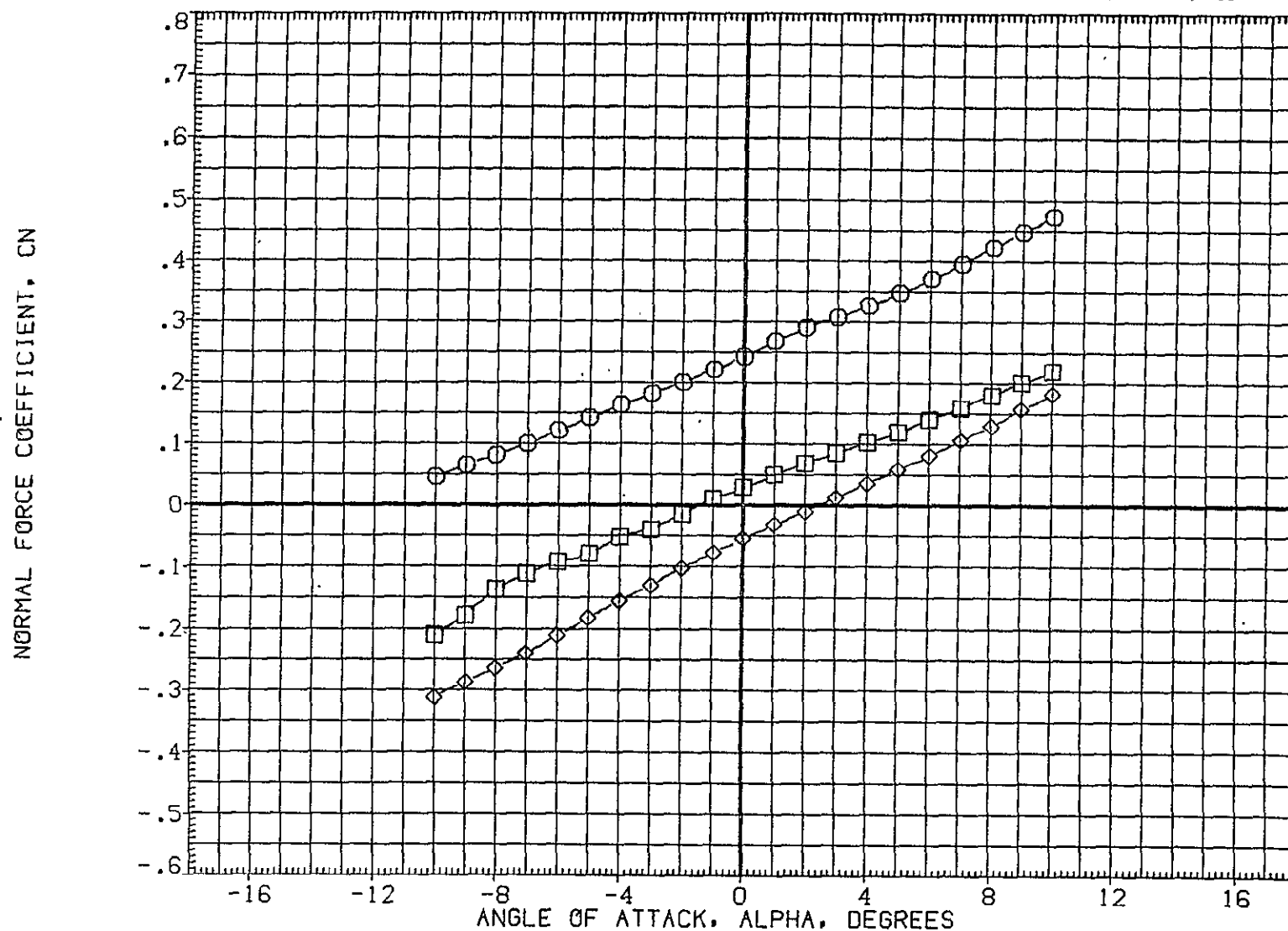


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 1.1)

(A)MACH = 4.50

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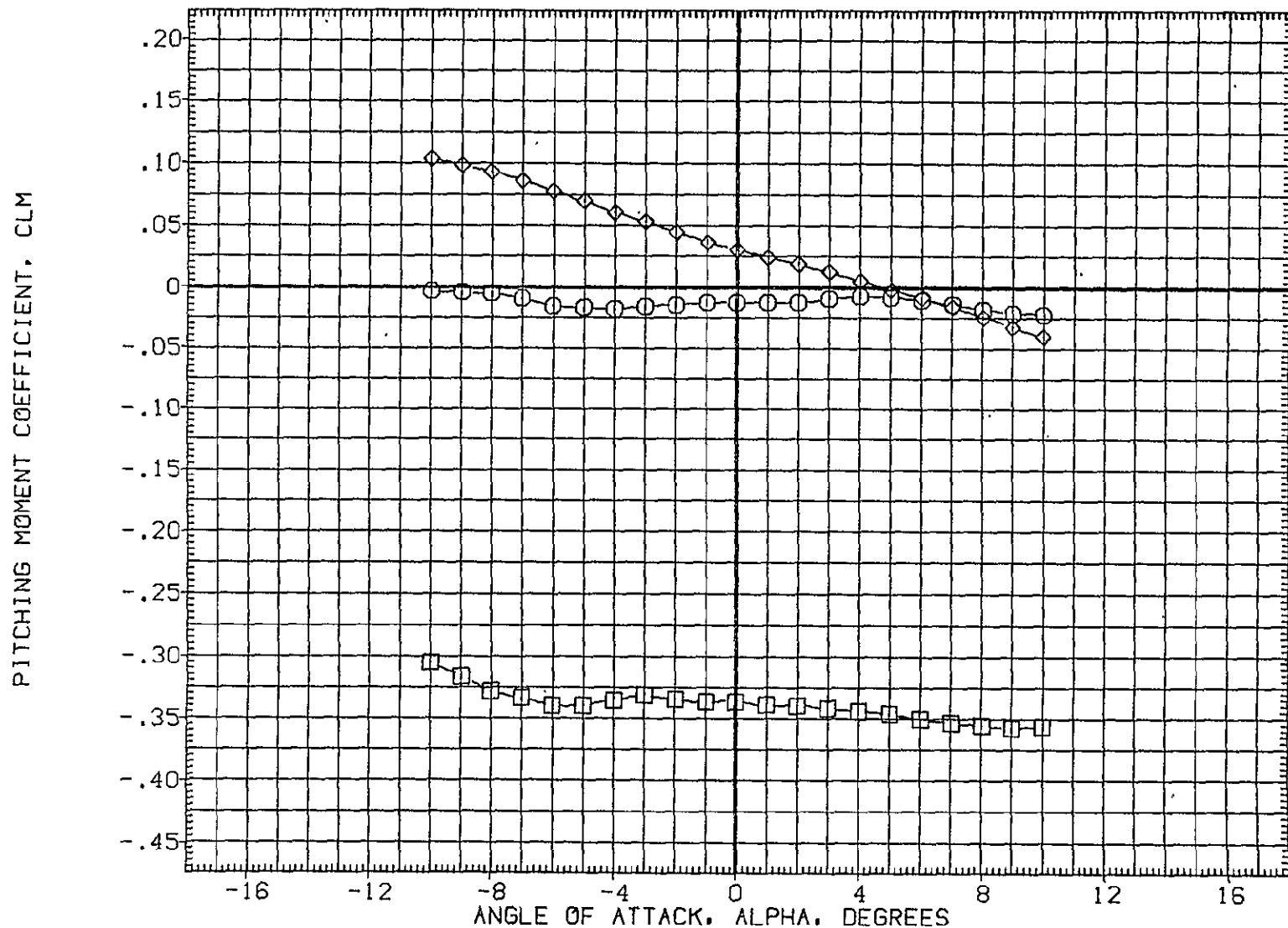
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(RT0034)	AEDC VA422 IA61 01ET1S1 0/ET DATA (SRB SEPRING)	1.100	1500.000	1.400	.000	SREF	2690.0000 SQ.FT.
(ATL032)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	1500.000	1.400	.000	LREF	1290.3000 IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100



EFFECT OF BOTH SRB ENGINE PLUMES ON 0/ET AERO. CHARACT. (SRB POS 1.1)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(RTQ034)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	1.100	1500.000	1.400	.000	SREF 2690.0000 SQ.FT.
(ATLO32)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	1500.000	1.400	.000	LREF 1290.3000 IN.
(ATLO01)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100

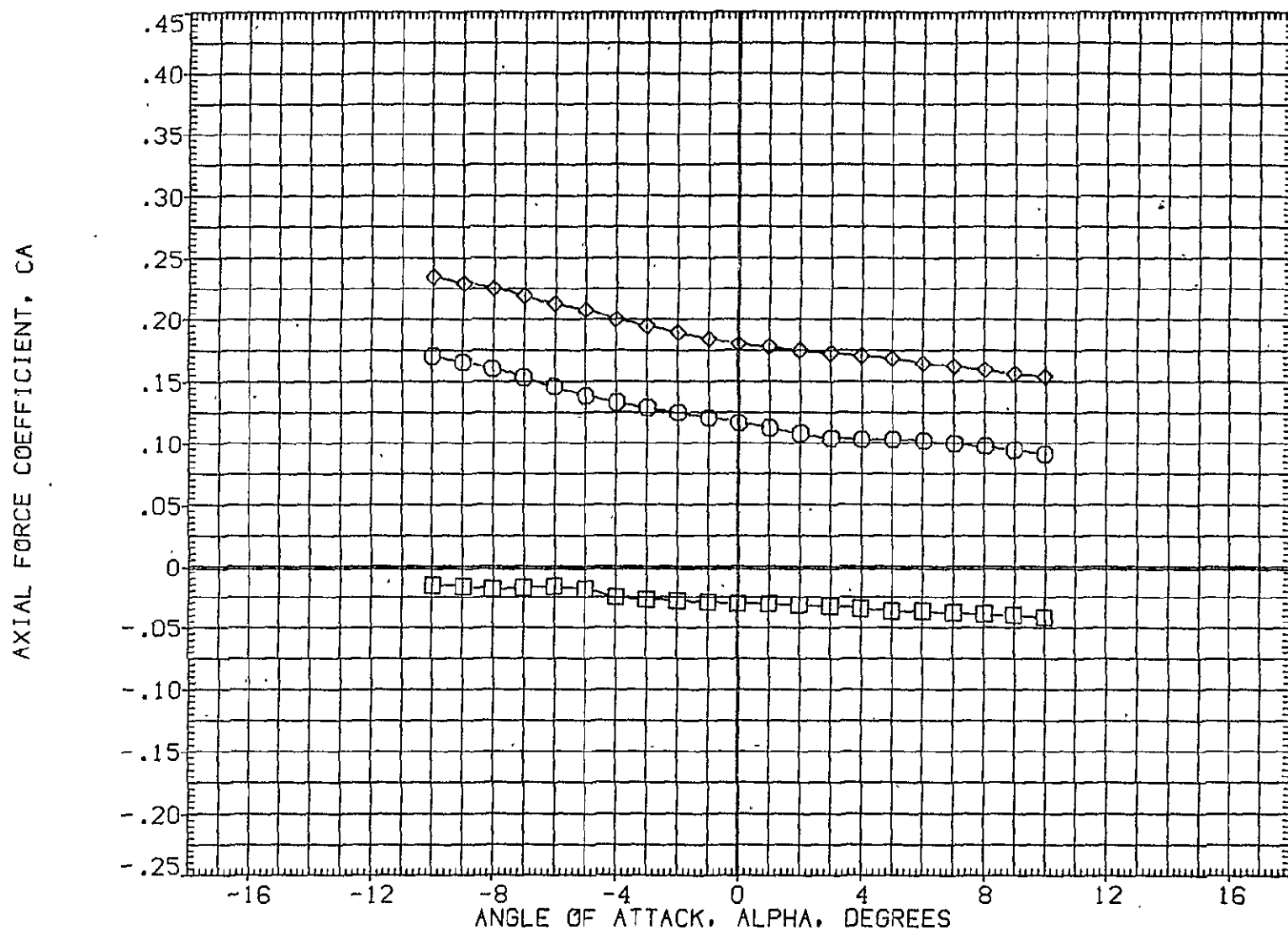


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 1.1)

(A)MACH = 4.50

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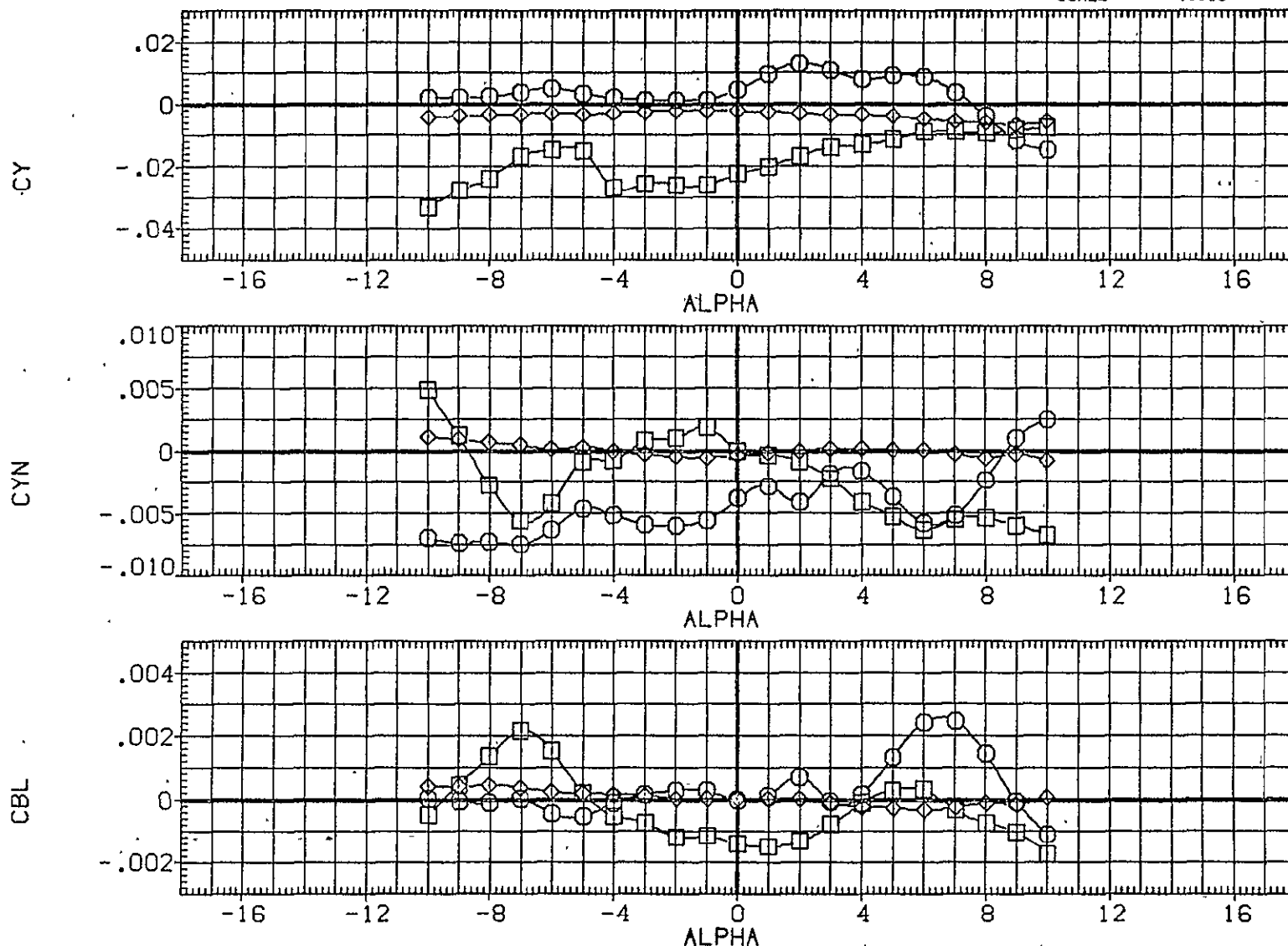
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0034)	○ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	1.100	1500.000	1.400	.000	SREF	2690.0000	SQ.FT.
(ATL032)	◇ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	1500.000	1.400	.000	LREF	1290.3000	IN.
(ATL001)	□ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 1.1)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0034)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	1.100	1500.000	1.400	.000	SREF	2690.0000	SQ.FT.
(ATL032)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	1500.000	1.400	.000	LREF	1290.3000	IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

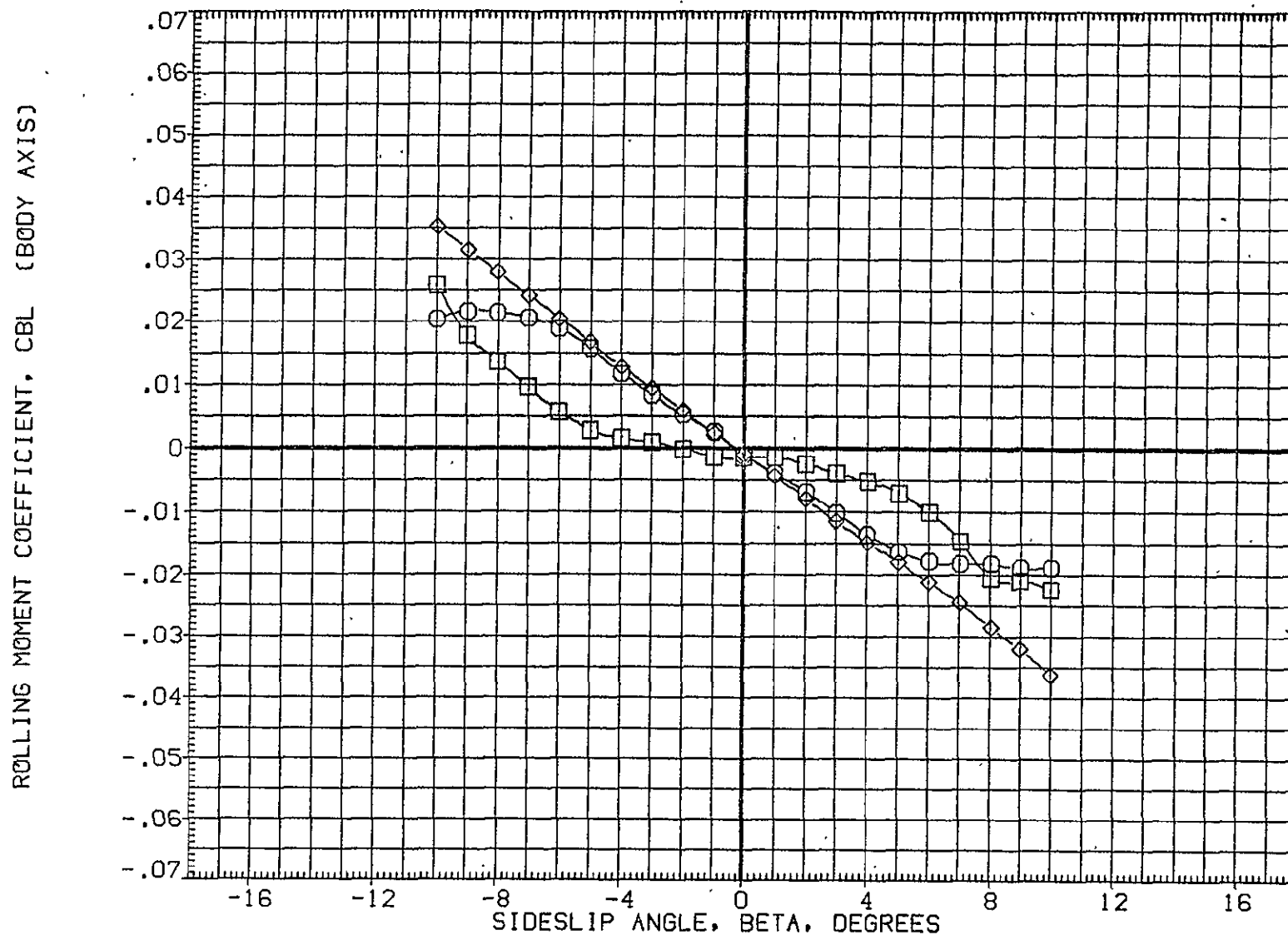


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 1.1)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RT0036)	AEDC VA422 1A61 01ET151 0/ET DATA (SRB SEPRNG)	1.100	1500.000	1.400	.000	SREF	2690.0000 SQ.FT.
(ATL033)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	1500.000	1.400	.000	LREF	1290.3000 IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

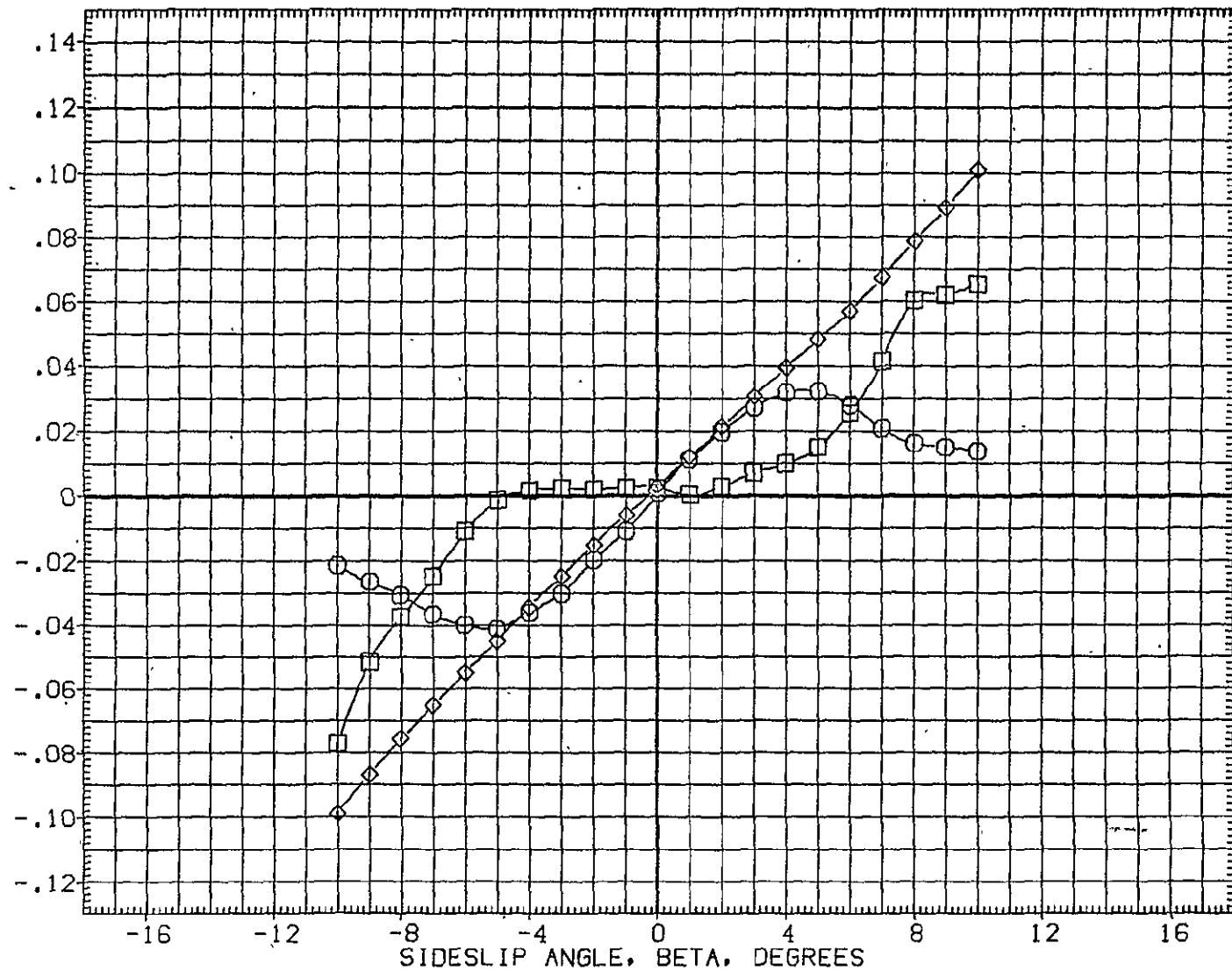


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 1.1)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RT0036)	AEDC VA422 (A61) O/ET DATA (SRB SEPRNG)	1.100	1500.000	1.400	.000	SREF	2690.0000 SQ.FT.
(ATL033)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	1500.000	1.400	.000	LREF	1290.3000 IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

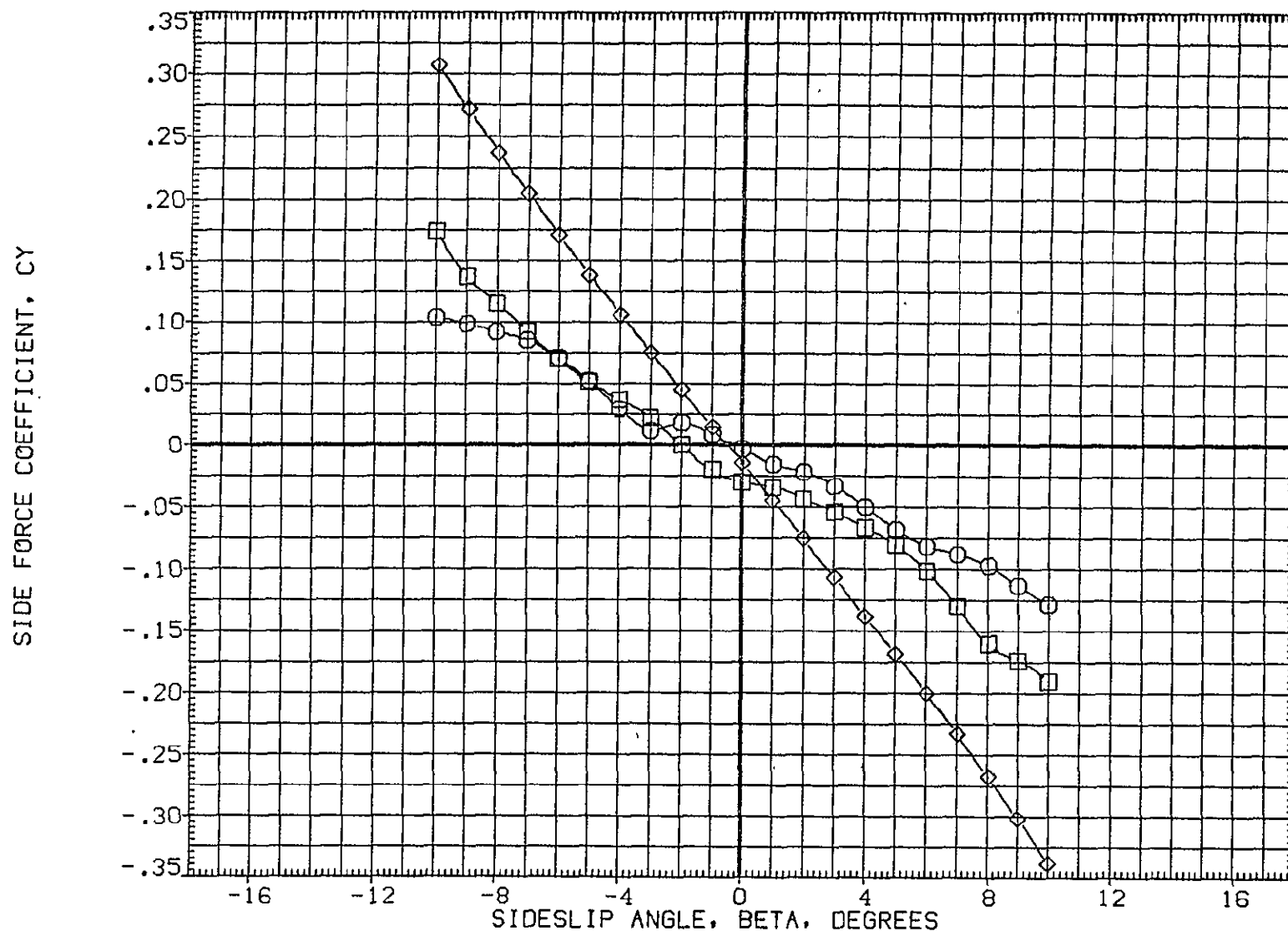


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 1.1)

(A)MACH = 4.50

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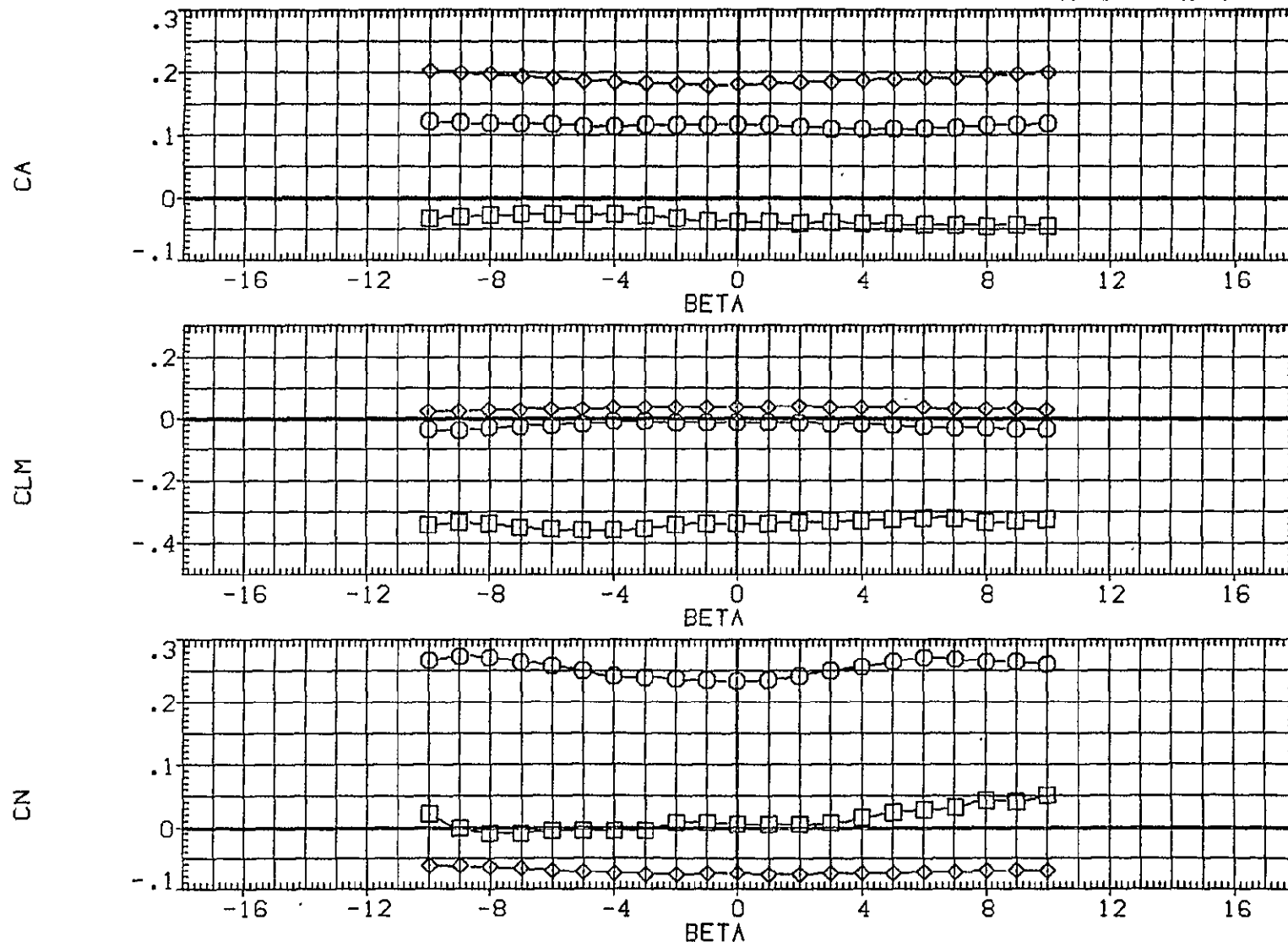
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RT0036)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	1.100	1500.000	1.400	.000	SREF	2690.0000 SQ.FT.
(ATLO33)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	1500.000	1.400	.000	LREF	1290.3000 IN.
(ATLO02)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100



EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 1.1)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(RTQ036)	AEDC VA422 (A61) O/ET DATA (SRB SEPRNG)	1.100	1500.000	1.400	.000	SREF 2690.0000 SQ.FT.
(ATL033)	AEDC VA-422(A-57), ORB/ET W/BOTH SRB	1.100	1500.000	1.400	.000	LREF 1290.3000 IN.
(ATL002)	AEDC VA-422(A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100

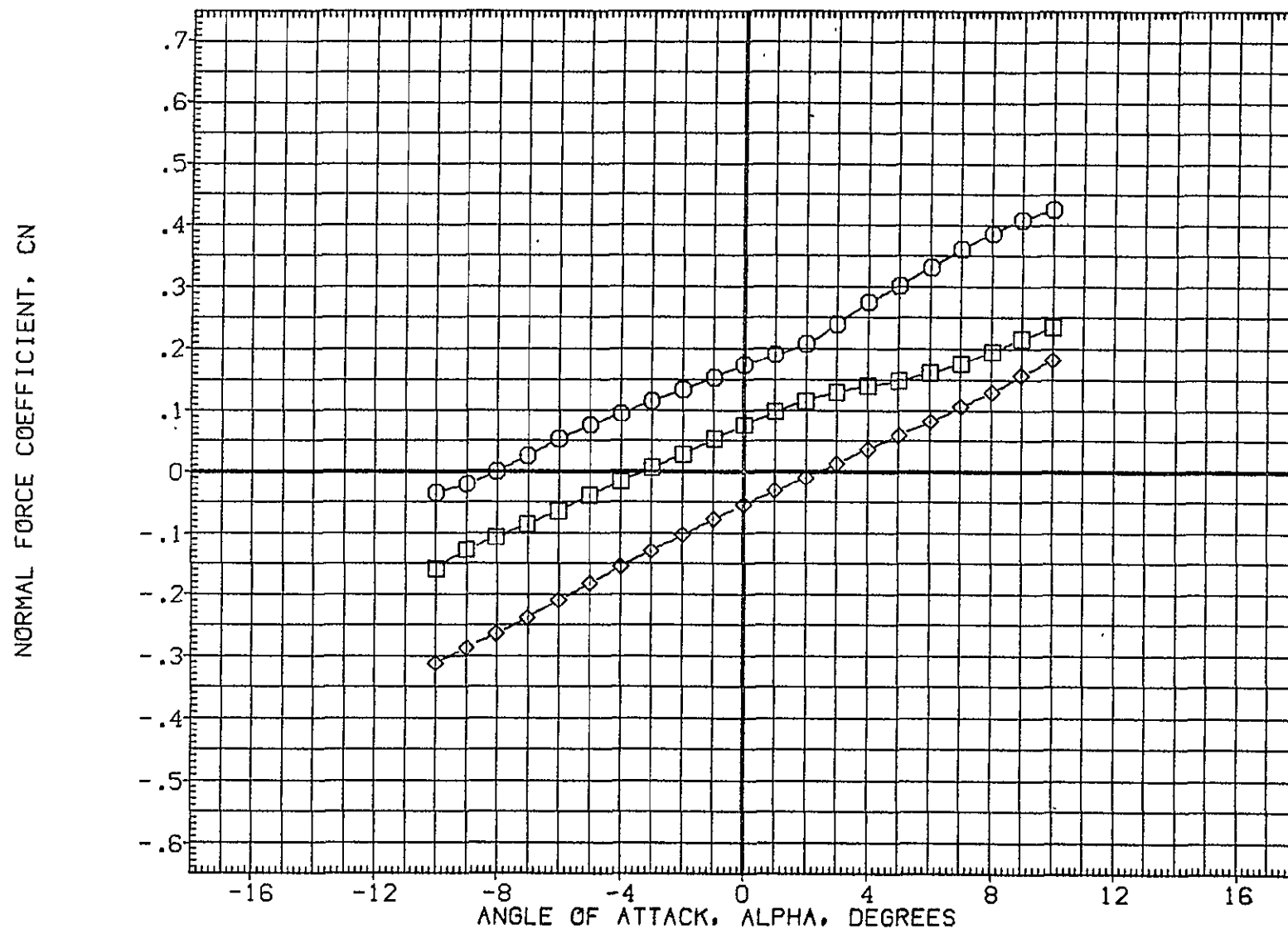


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 1.1)

(A)MACH = 4.50

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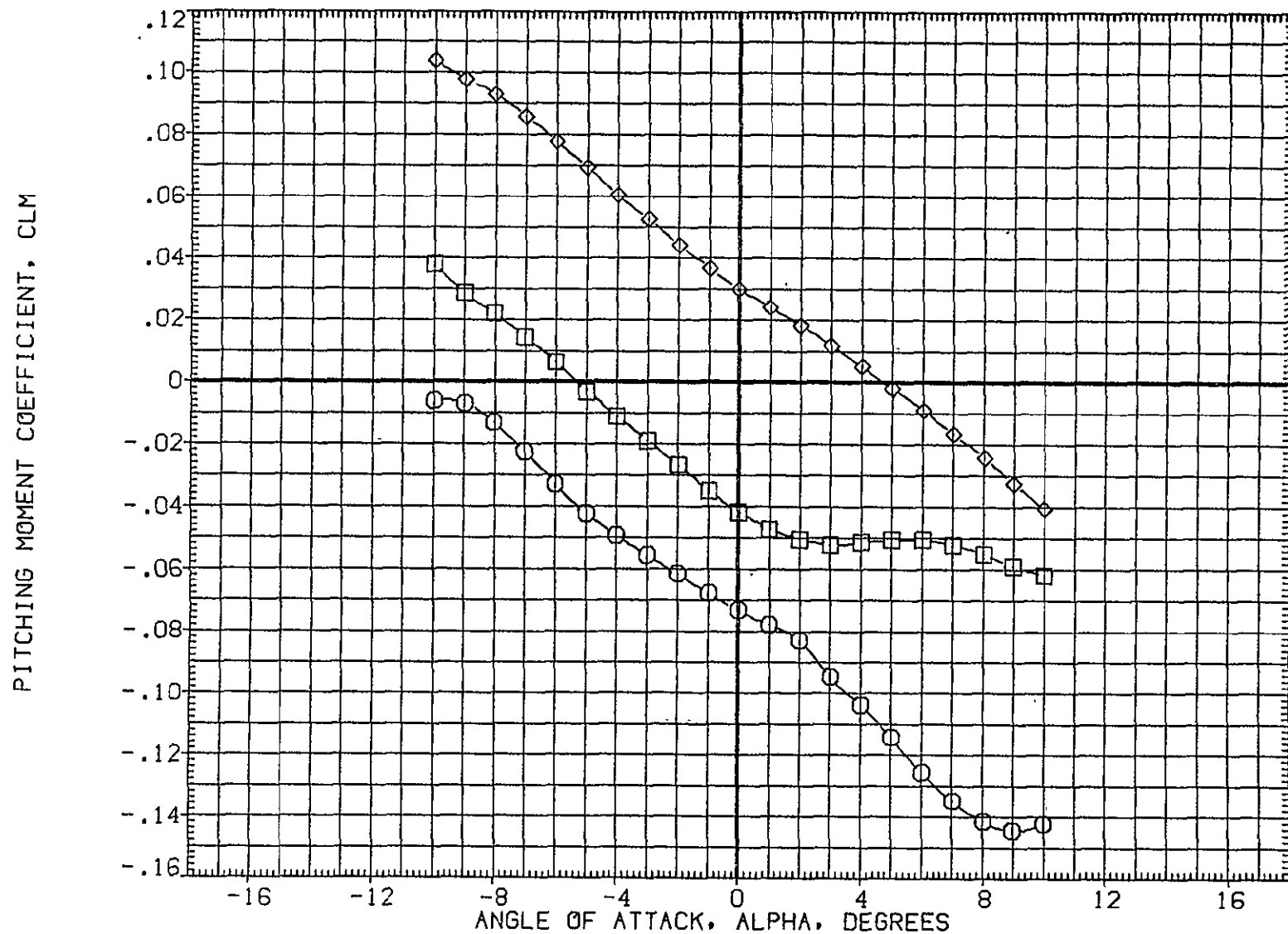
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0052)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRTNG)	2.200	750.000	1.760	.000	SREF	2690.0000	50.FT.
(ATL047)	AEDC VA-422(1A-57). ORB/ET W/BOTH SRB	2.200	750.000	1.760	.000	LREF	1290.3000	IN.
(ATL001)	AEDC VA-422(1A-57). ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 2.2)

(A)MACH = 4.50

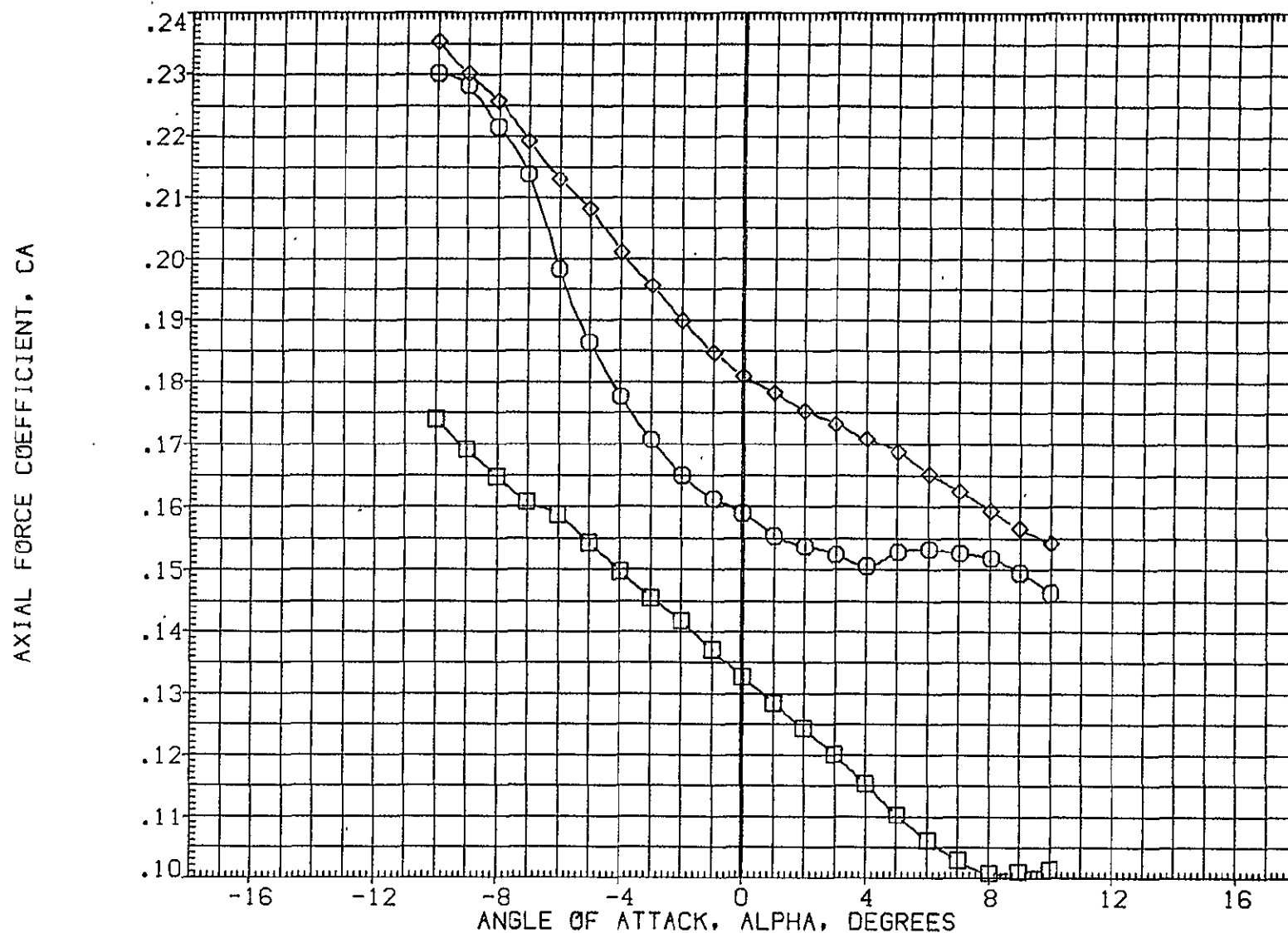
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RTQ052)	⊖ AEDC VA422 (A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	750.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL047)	⊠ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	2.200	750.000	1.760	.000	LREF	1290.3000	IN.
(ATL001)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF BOTH SRB ENGINE PLUMES ON 0/ET AERO. CHARACT. (SRB POS 2.2)

(A)MACH = 4.50

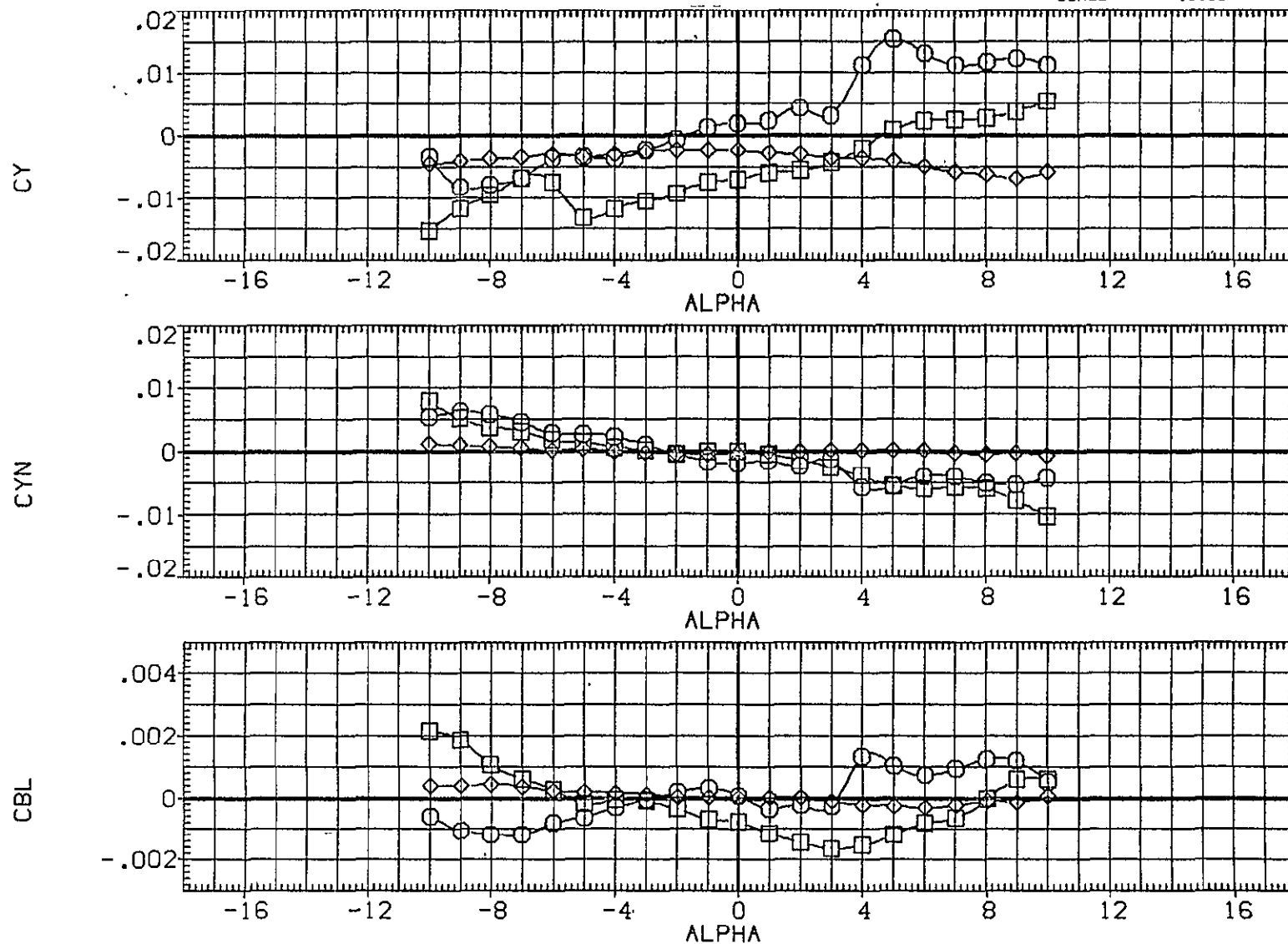
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(RT0052)	□ AEDC VA422 (A61 01ET1S1 O/ET DATA (SRB SEPRNG)	2.200	750.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATL047)	□ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	2.200	750.000	1.760	.000	LREF 1290.3000 IN.
(ATL001)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100



EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 2.2)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0052)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	2.200	750.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL047)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	2.200	750.000	1.760	.000	LREF	1290.3000	IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

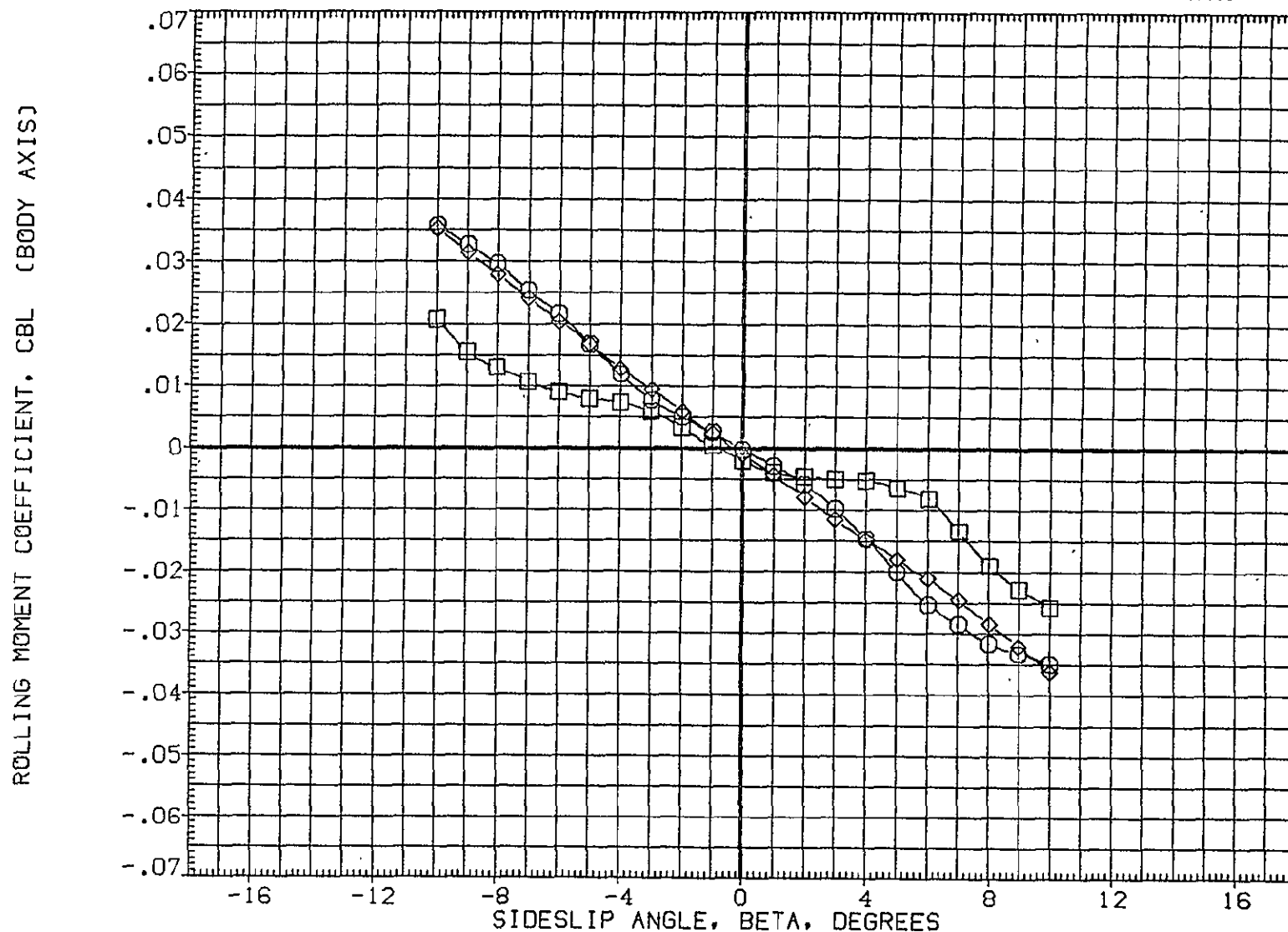


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 2.2)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RT0053)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	750.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATLO48)	AEDC VA-422(1A-57). 0RB/ET W/BOTH SRB	2.200	750.000	1.760	.000	LREF	1290.3000 IN.
(ATLO02)	AEDC VA-422(1A-57). ISOLATED 0RB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

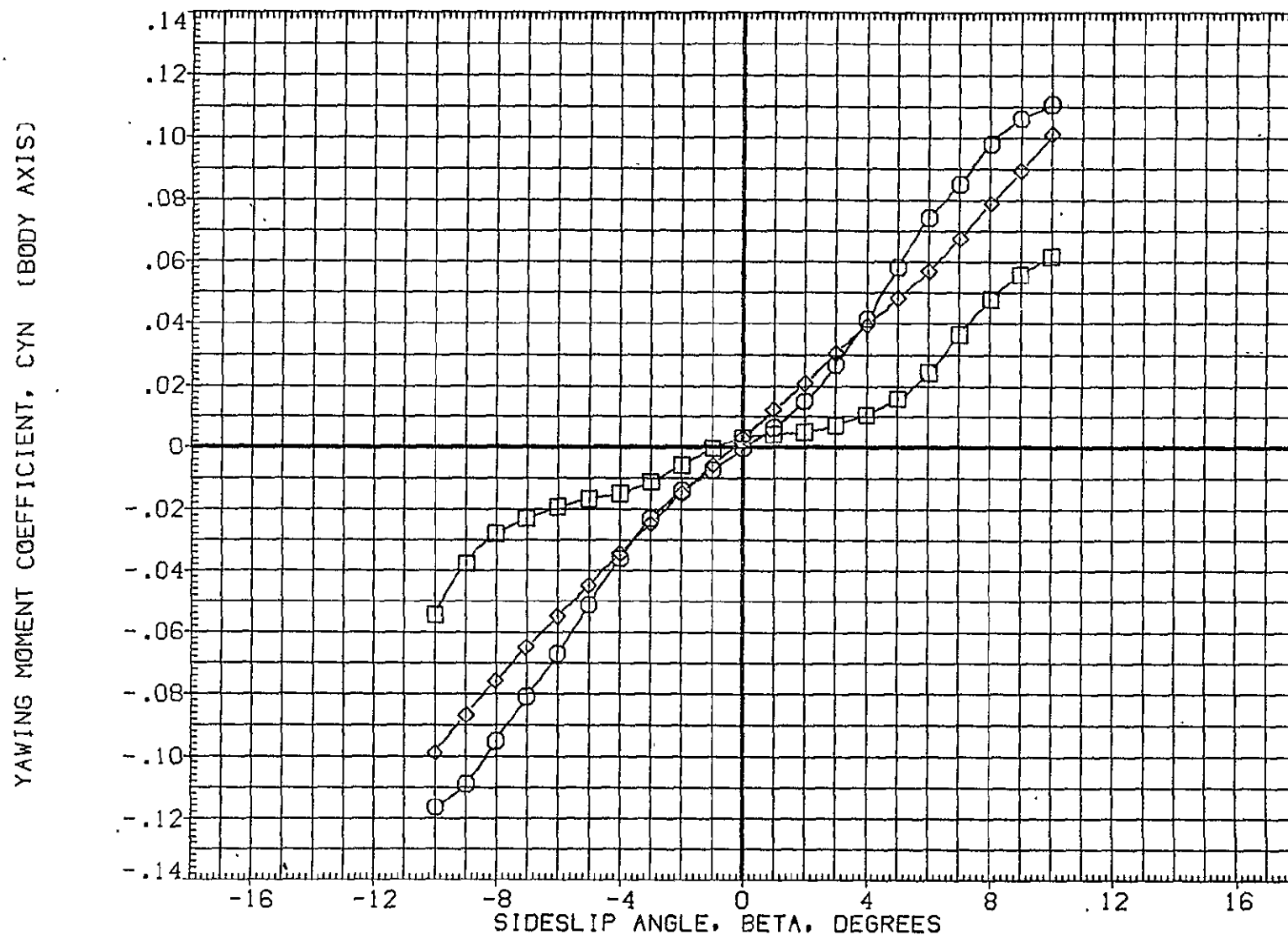


EFFECT OF BOTH SRB ENGINE PUMES ON 0/ET AERO. CHARACT. (SRB POS 2.2)

(A)MACH = 4.50

C12

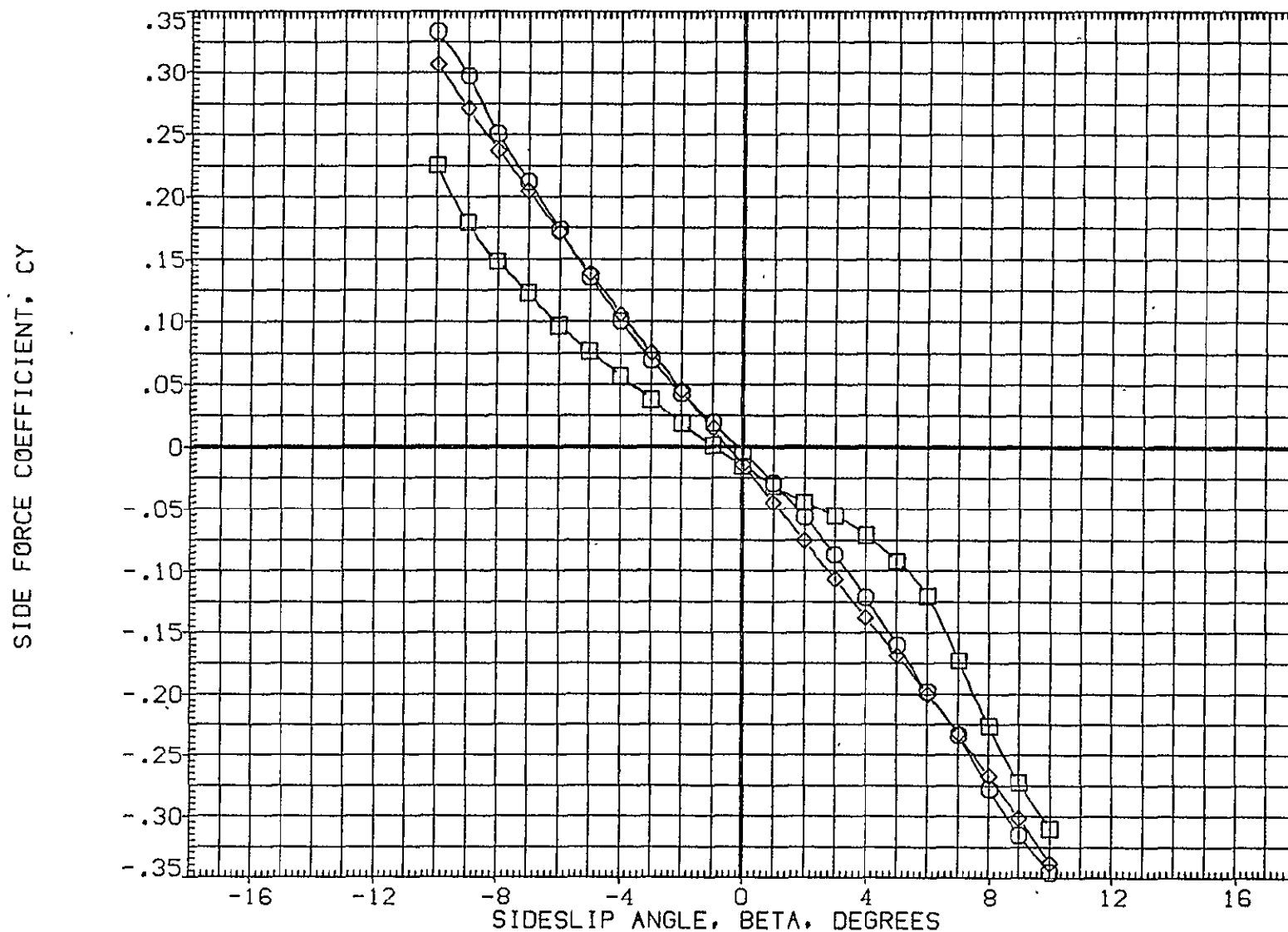
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RTQ053)	AEDC VA422 1A61 O/ETIS1 O/ET DATA (SRB SEPRNG)	2.200	750.000	1.760	.000	SREF	2690.0000 SO.FT.
(ATL048)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	2.200	750.000	1.760	.000	LREF	1290.3000 IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100



EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 2.2)

(A)MACH = 4.50

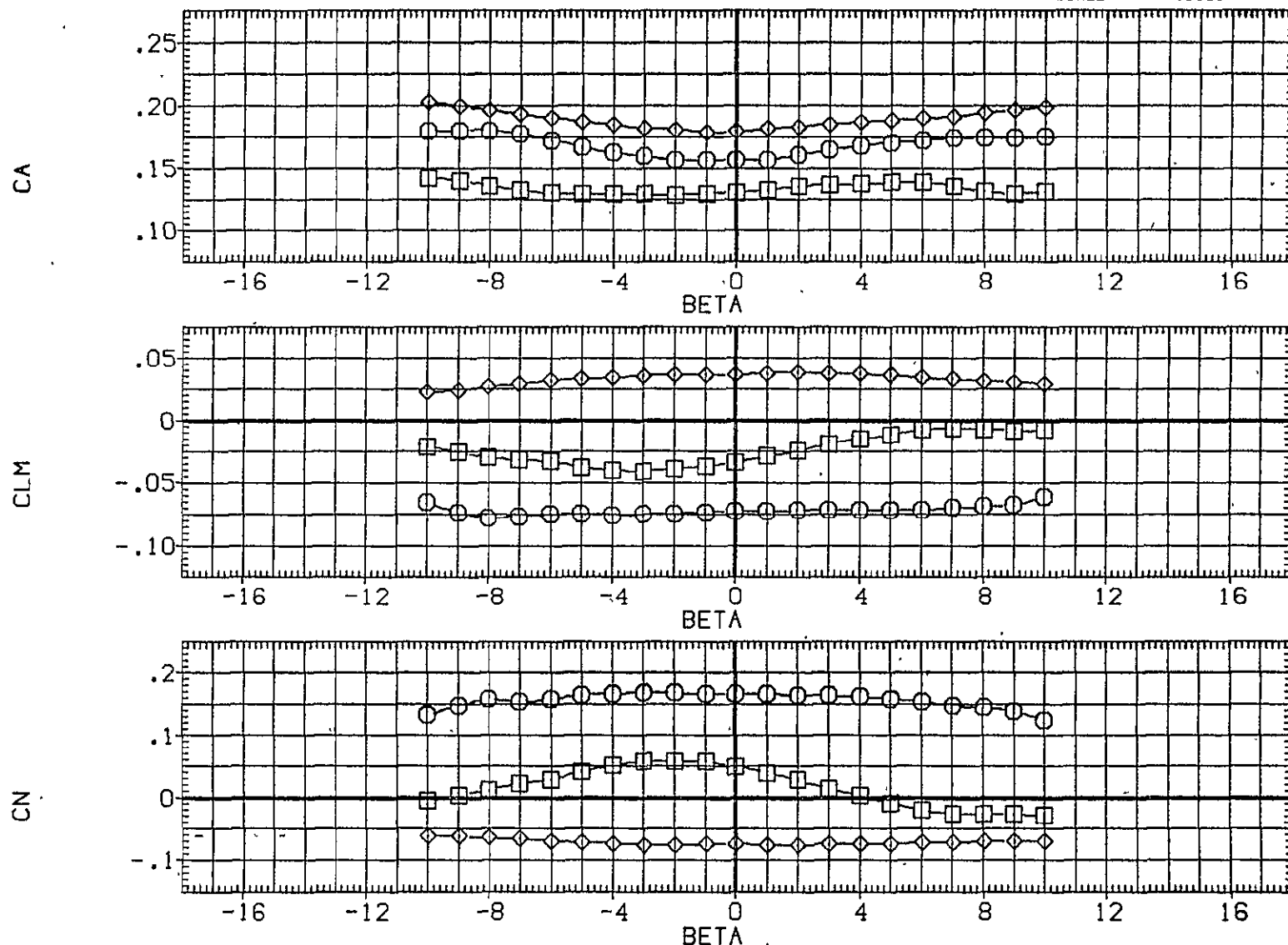
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RTQ053)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRTING)	2.200	750.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATL048)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	2.200	750.000	1.760	.000	LREF	1290.3000 IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100



EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 2.2)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RTQ053)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	2.200	750.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL048)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	2.200	750.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

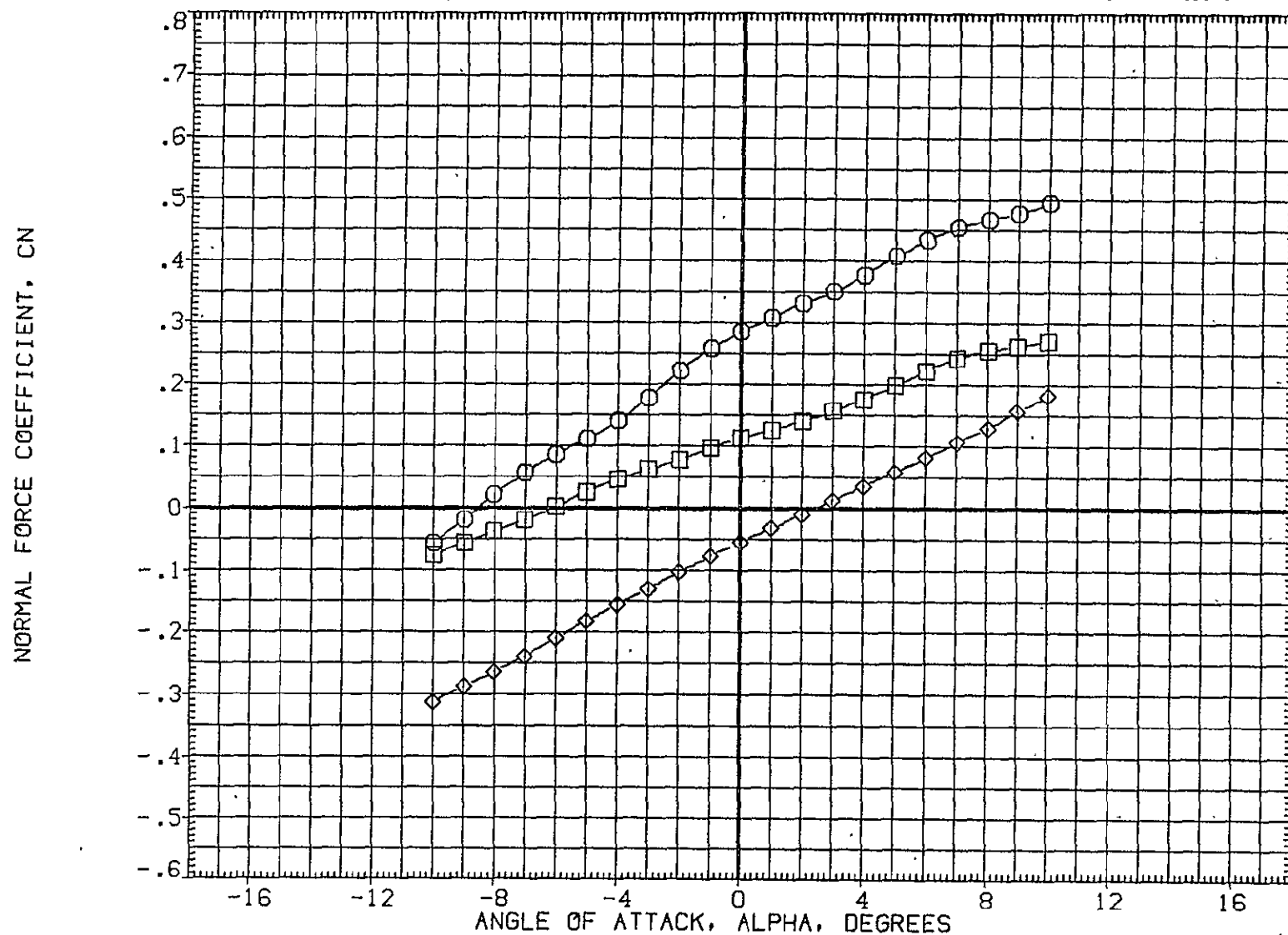


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 2.2)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(RT0054)	AEDC VA422 (A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATL049)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	2.200	1500.000	1.760	.000	LREF 1290.3000 IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100

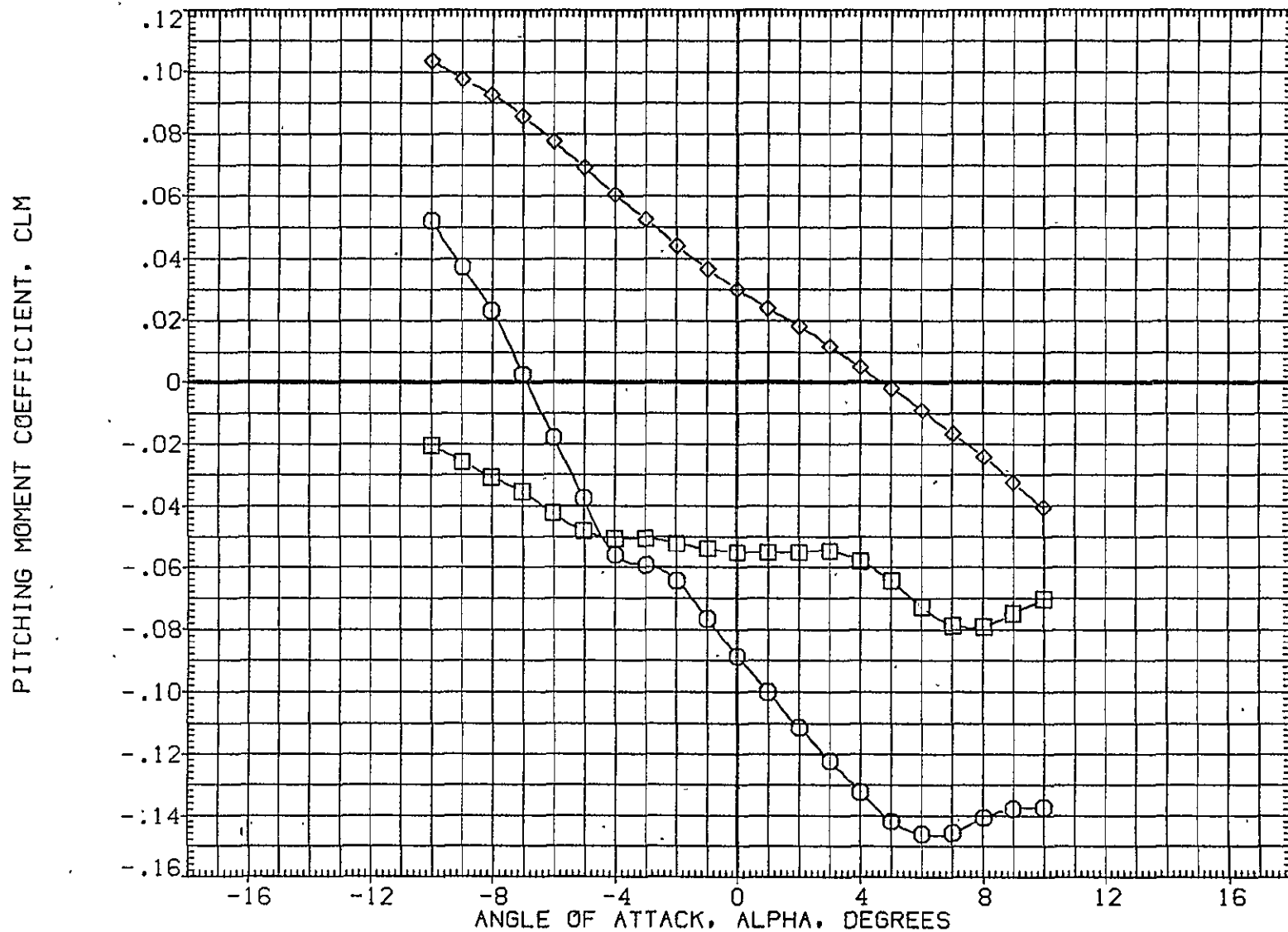


EFFECT OF BOTH SRB ENGINE PLUMES ON 0/ET AERO. CHARACT. (SRB POS 2.2)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RTQ054)	AEDC VA422 (A61 DIETIS1) O/ET DATA (SRB SEPRTING)
(ATL049)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET

SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
2.200	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
2.200	1500.000	1.760	.000	LREF 1290.3000 IN.
		1.760	.000	BREF 1290.3000 IN.
				XMRP 1052.0000 IN.XT
				YMRP .0000 IN.YT
				ZMRP 447.0000 IN.ZT
				SCALE .0100

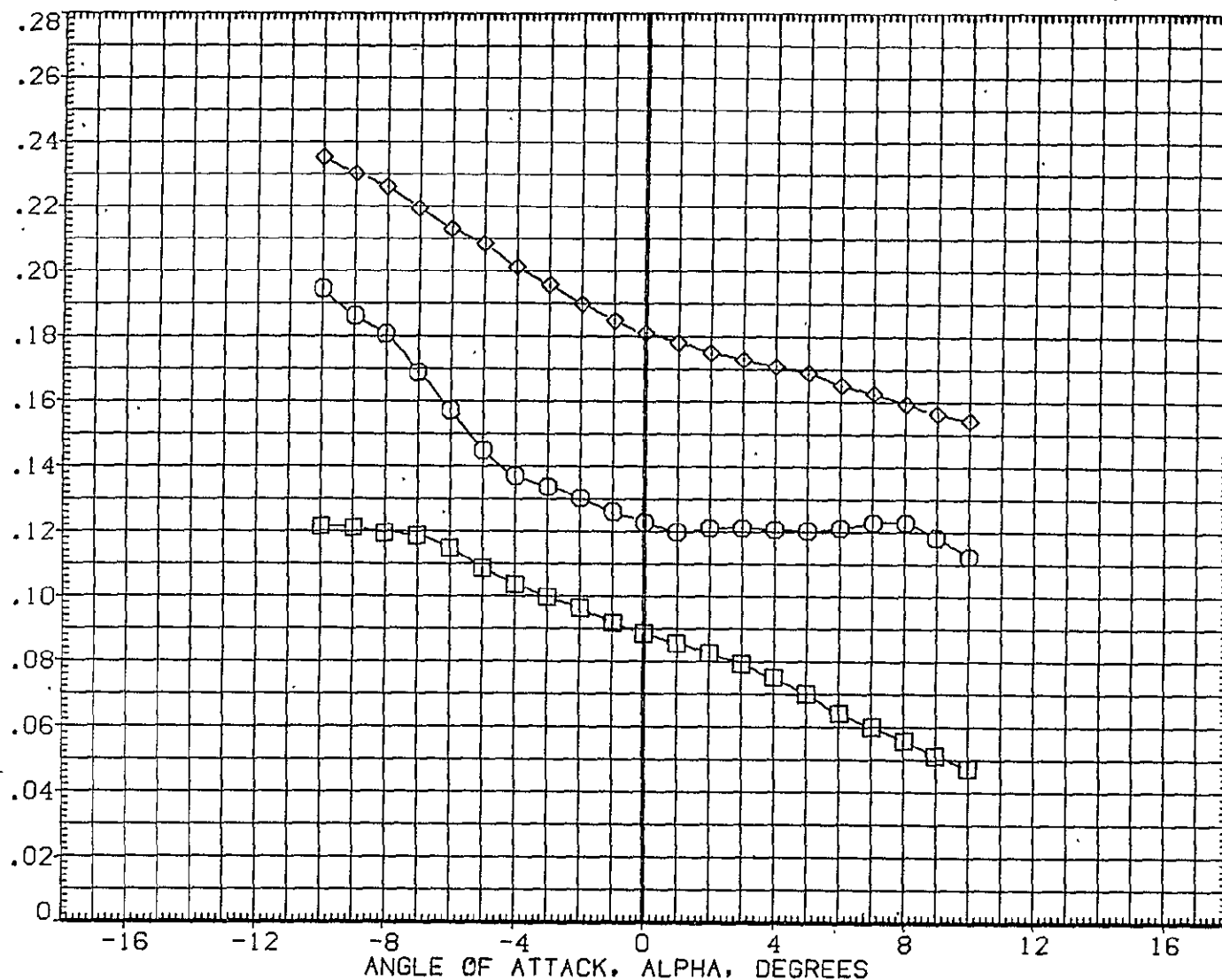


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 2.2)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(RTQ054)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRING)	2.200	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATL049)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	2.200	1500.000	1.760	.000	LREF	1290.3000 IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

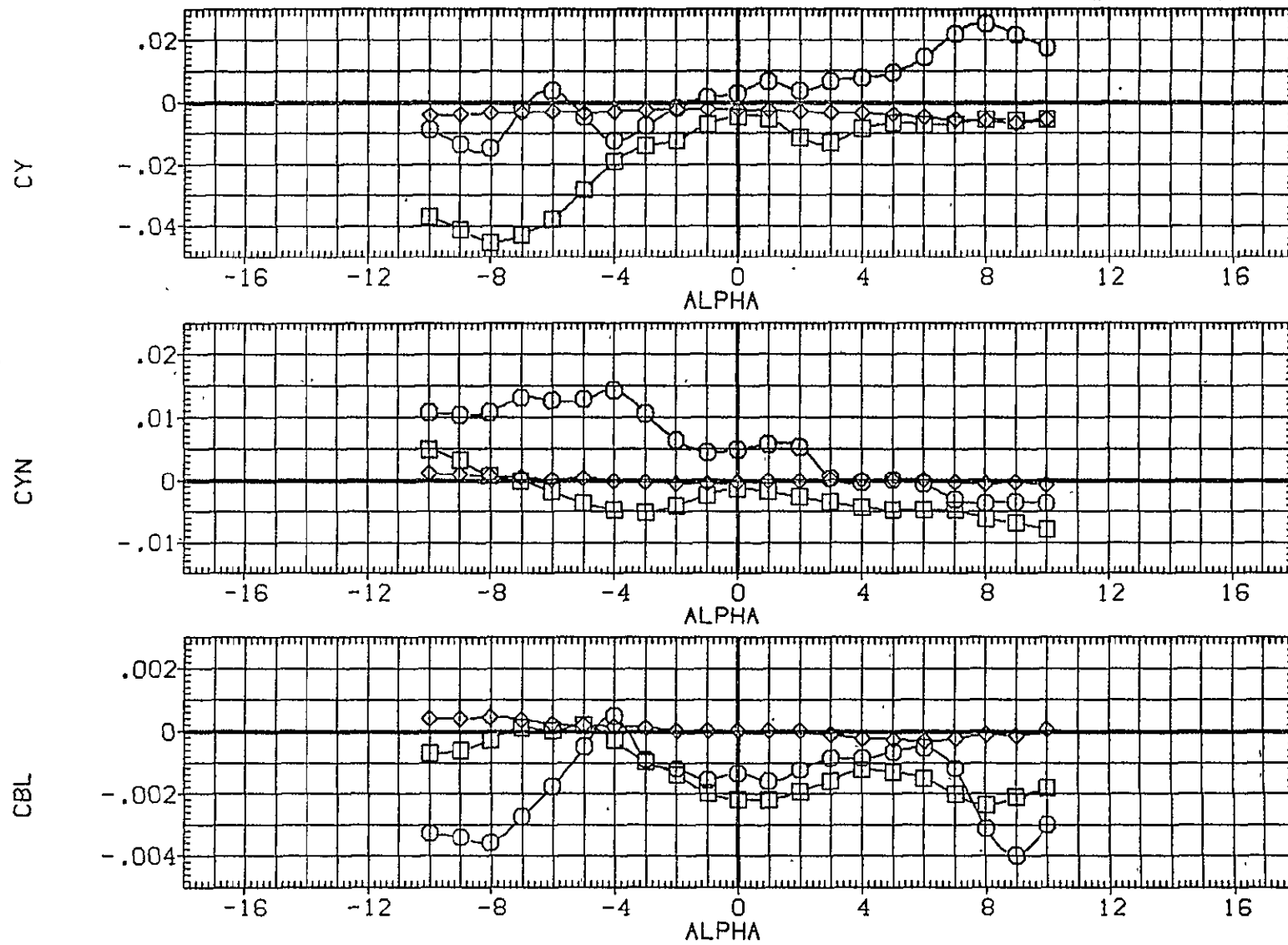
AXIAL FORCE COEFFICIENT, CA



EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 2.2)

(A)MACH = 4.50

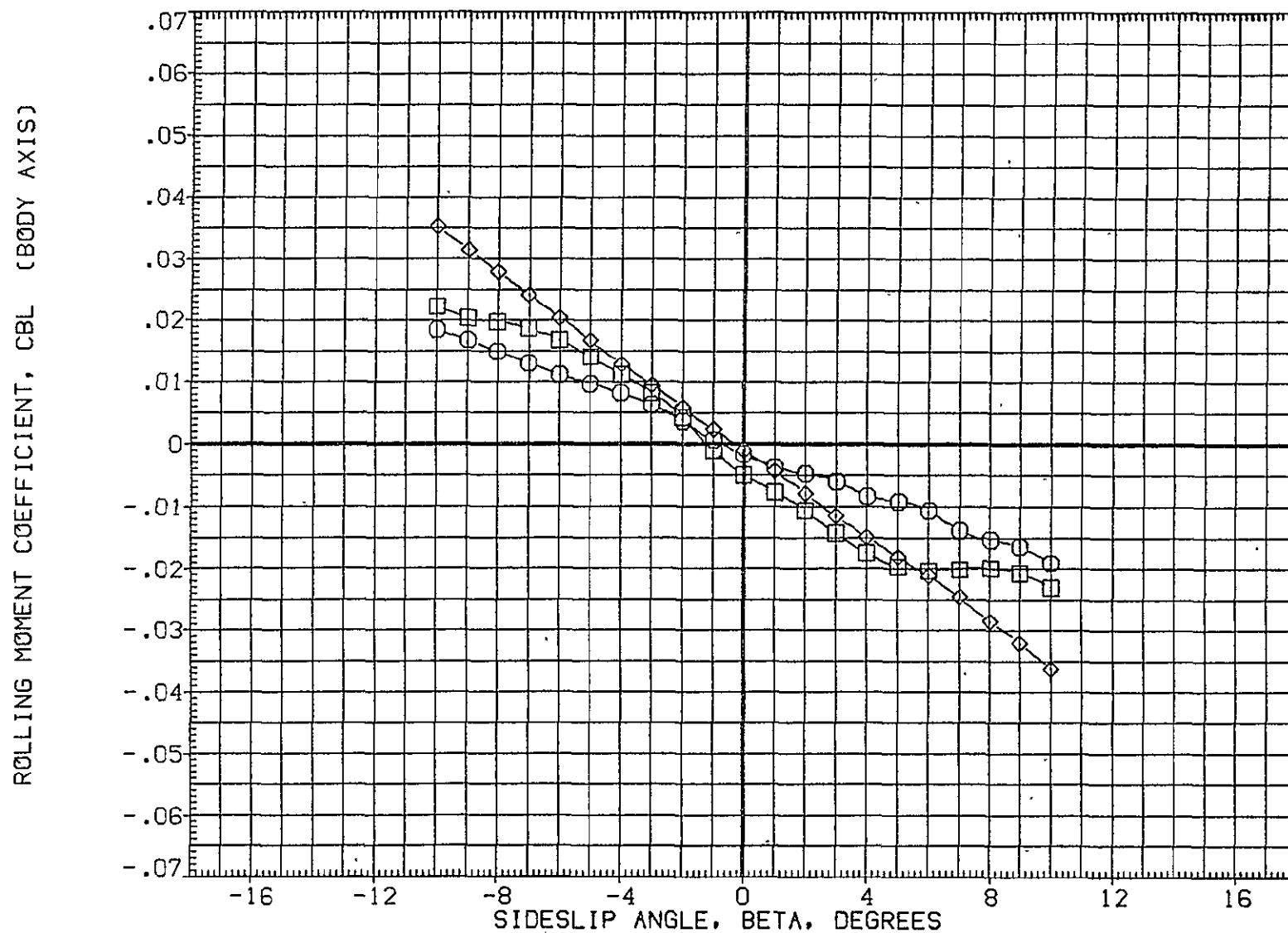
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RTQ054)	AEDC VA422 (A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL049)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	2.200	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 2.2)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(RTQ056)	AEDC VA422 1A61 0/ET DATA (SRB SEPRING)	2.200	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATL050)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	2.200	1500.000	1.760	.000	LREF 1290.3000 IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100

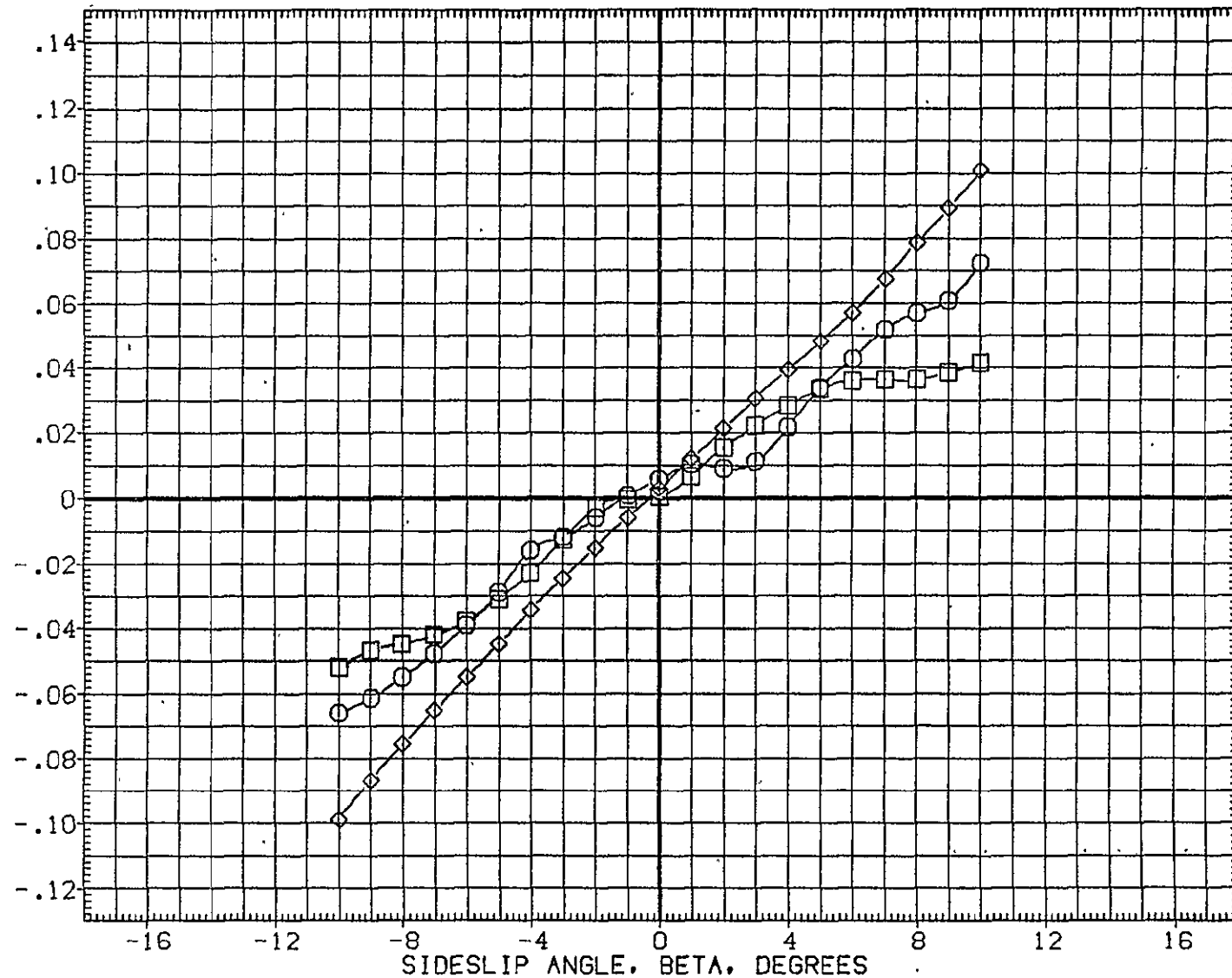


EFFECT OF BOTH SRB ENGINE PLUMES ON 0/ET AERO. CHARACT. (SRB POS 2.2)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0056)	AEDC VA422 (A61 01ET1S1 O/ET DATA (SRB SEPRING)	2.200	1500.000	1.760	.000	SREF	2690.0000	50.FT.
(ATL050)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	2.200	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

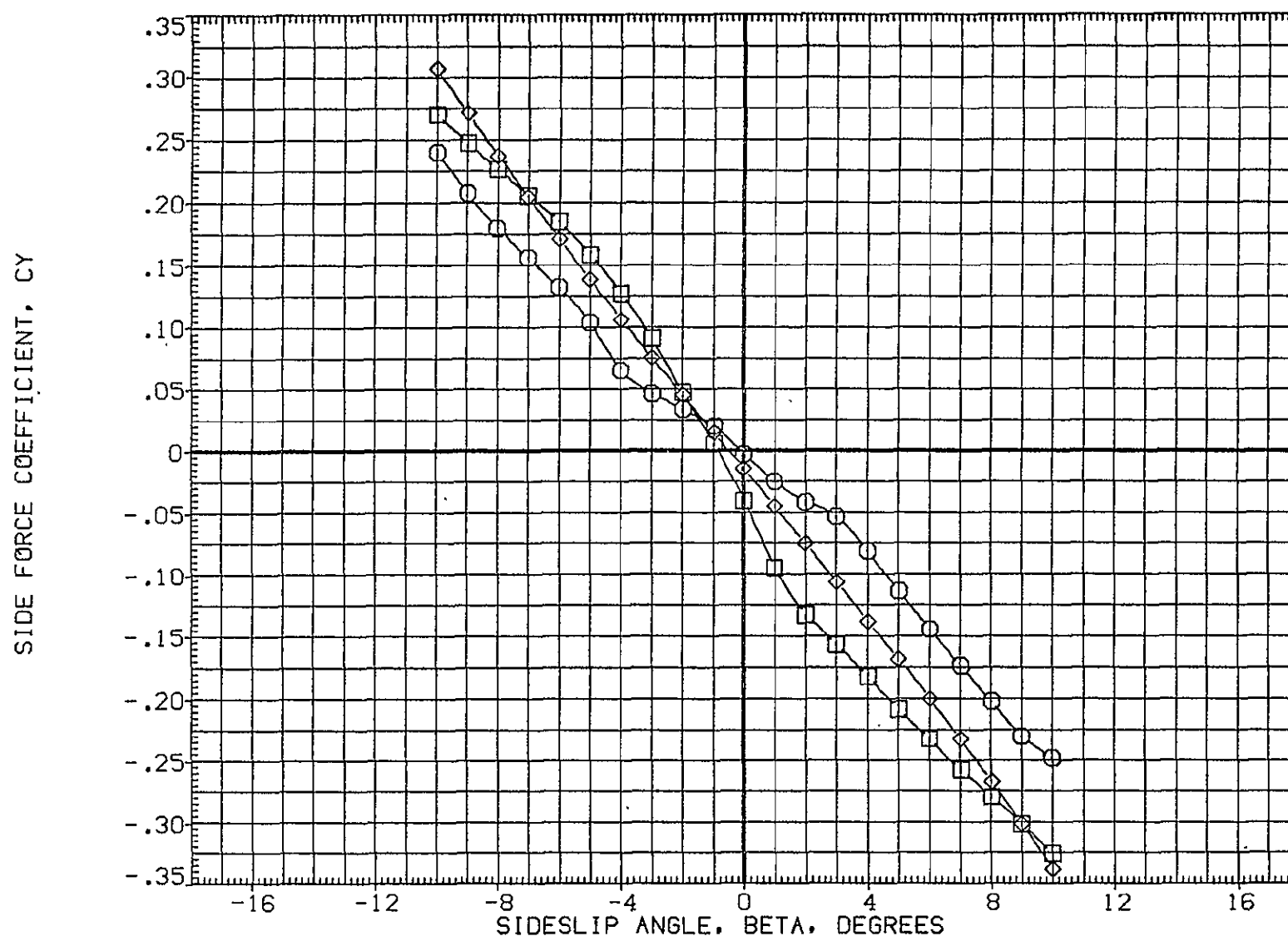


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 2.2)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RT0058)	○ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATL050)	□ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	2.200	1500.000	1.760	.000	LREF	1290.3000 IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

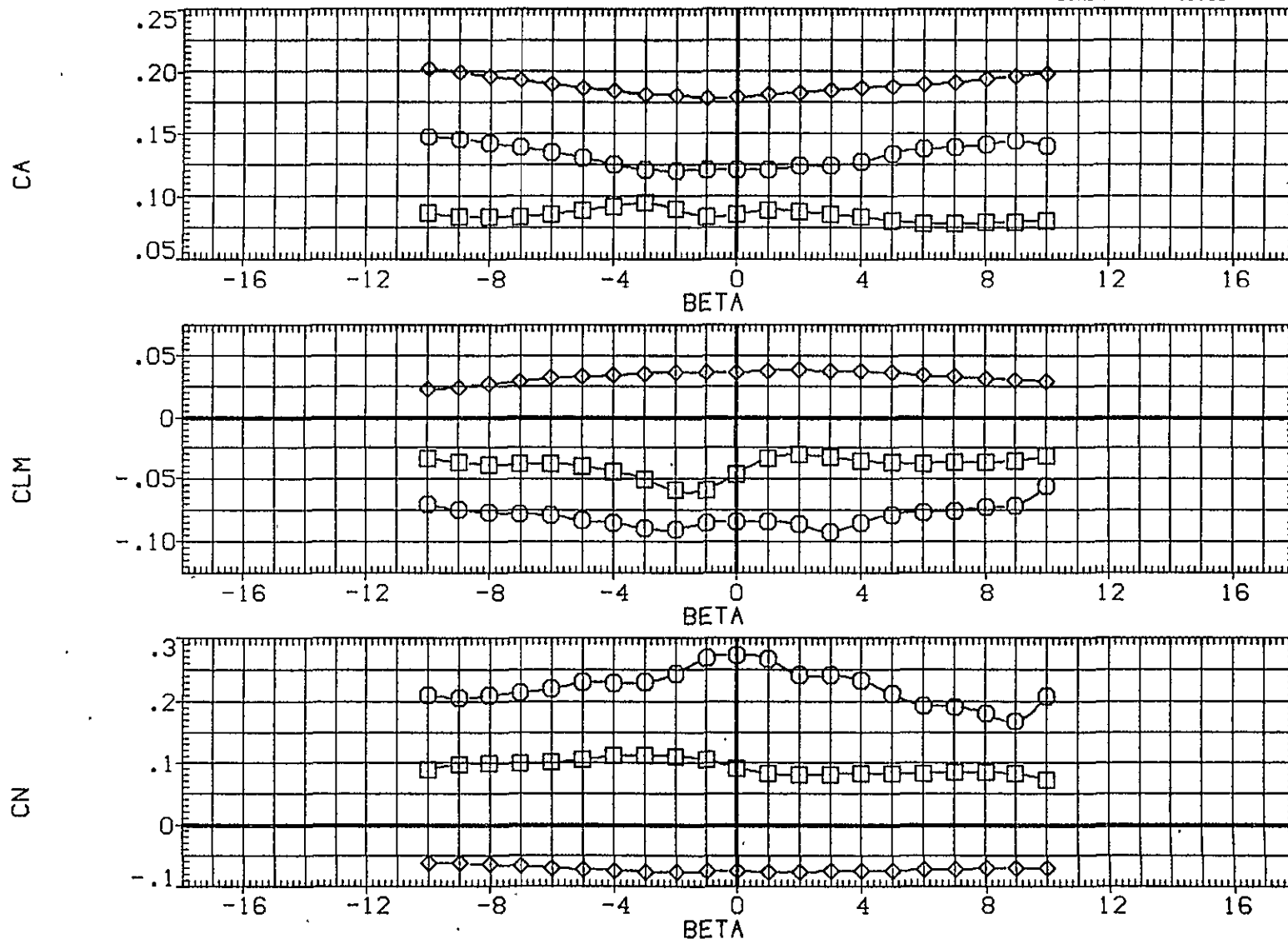


EFFECT OF BOTH SRB ENGINE PLUMES ON 0/ET AERO. CHARACT. (SRB POS 2.2)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0056)	AEDC VA422 1A61 01ETIS1 O/ET DATA (SRB SEPRING)	2.200	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL050)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	2.200	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

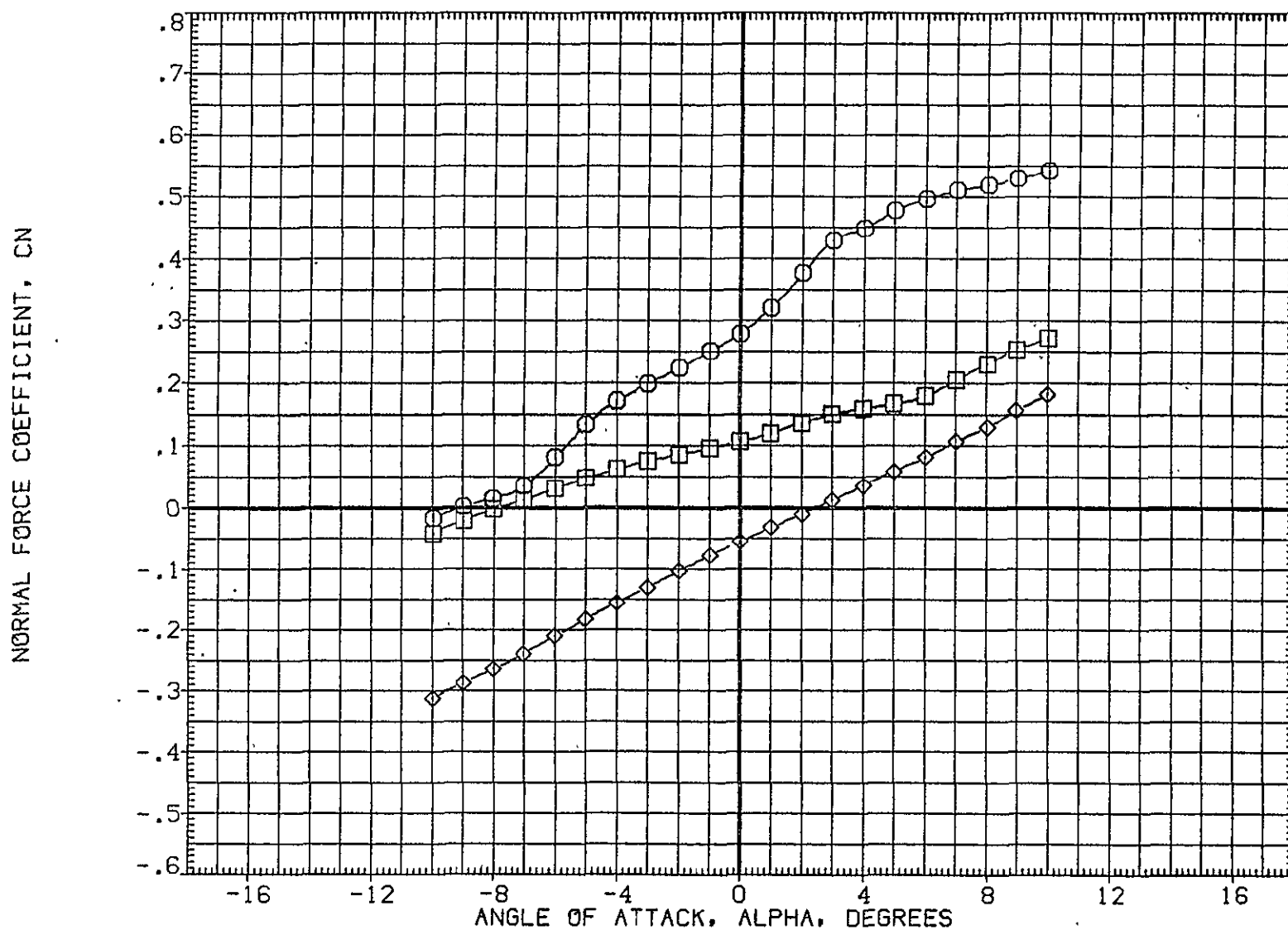


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 2.2)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(RT0050)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRTING)	2.200	1500.000	1.400	.000	SREF	2690.0000 SQ.FT.
(ATL043)	AEDC VA-422(1A-S7), ORB/ET W/BOTH SRB	2.200	1500.000	1.400	.000	LREF	1290.3000 IN.
(ATL001)	AEDC VA-422(1A-S7), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

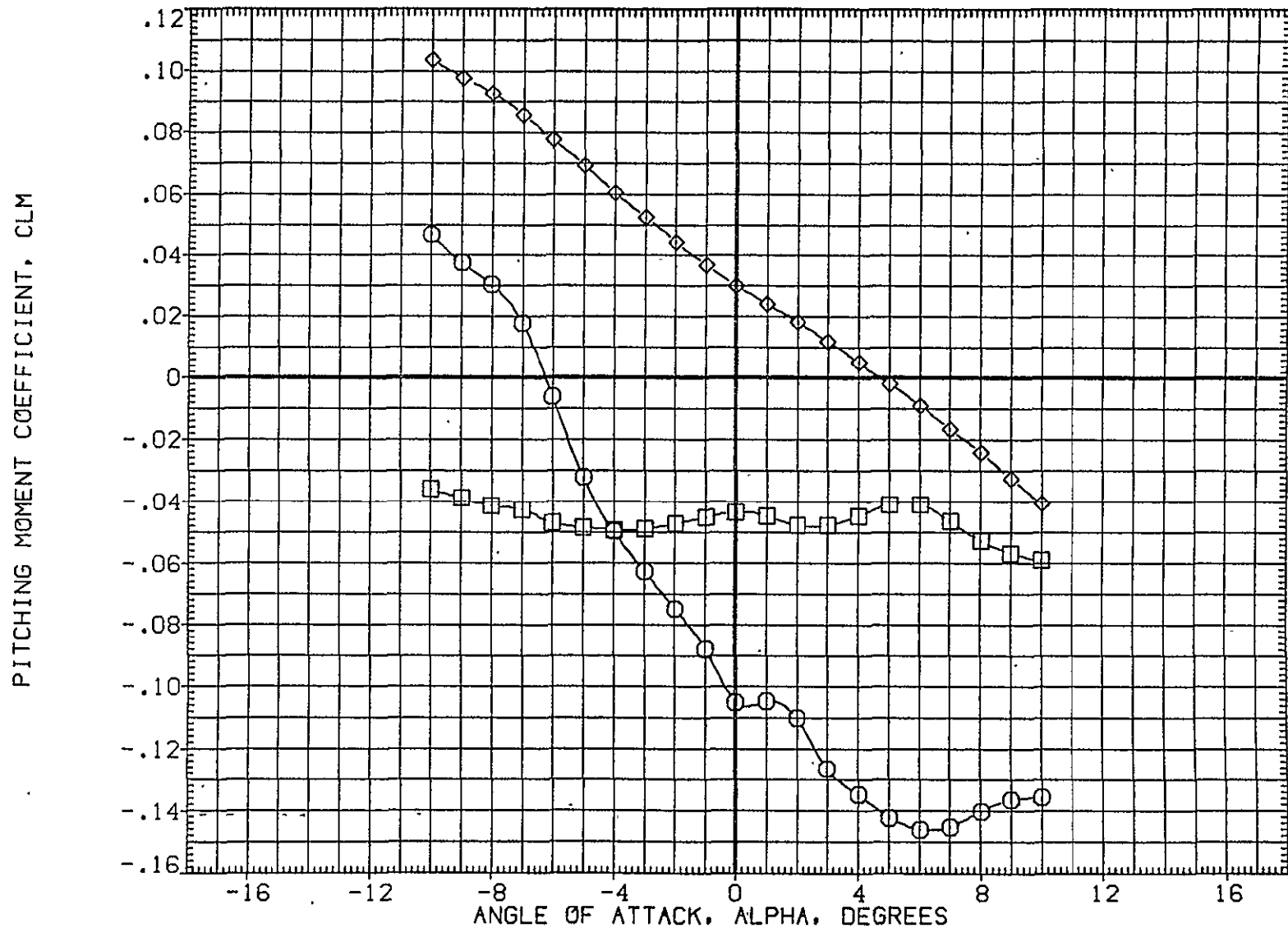


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 2.2)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RTQ050)	○ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRYNG)
(ATL043)	□ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB
(ATL001)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET

SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
2.200	1500.000	1.400	.000	SREF 2690.0000 SQ.FT.
2.200	1500.000	1.400	.000	LREF 1290.3000 IN.
		1.760	.000	BREF 1290.3000 IN.
				XMRP 1052.0000 IN.XT
				YMRP .0000 IN.YT
				ZMRP 447.0000 IN.ZT
				SCALE .0100

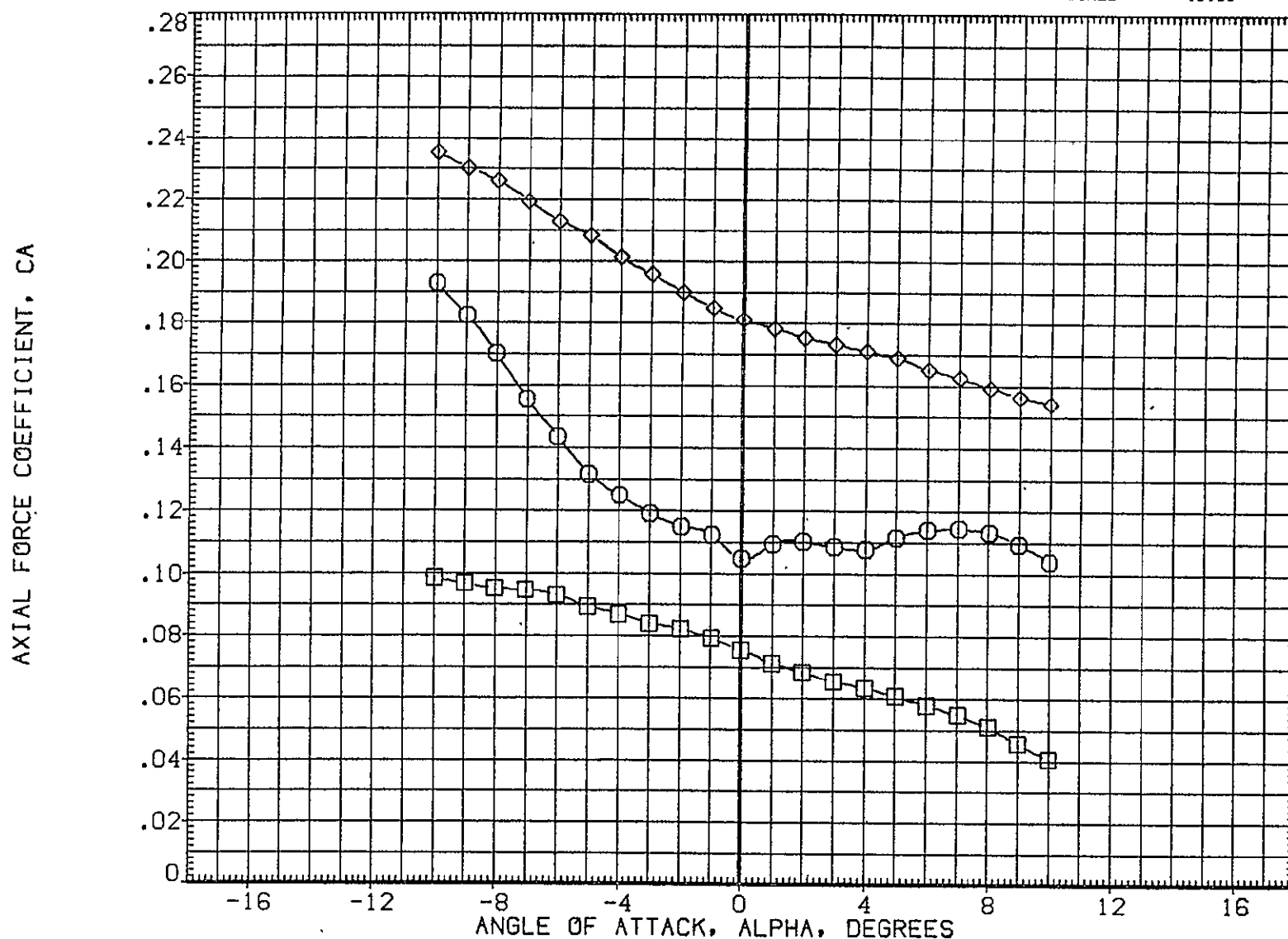


EFFECT OF BOTH SRB ENGINE PLUMES ON 0/ET AERO. CHARACT. (SRB POS. 2.2)

(A)MACH = 4.50

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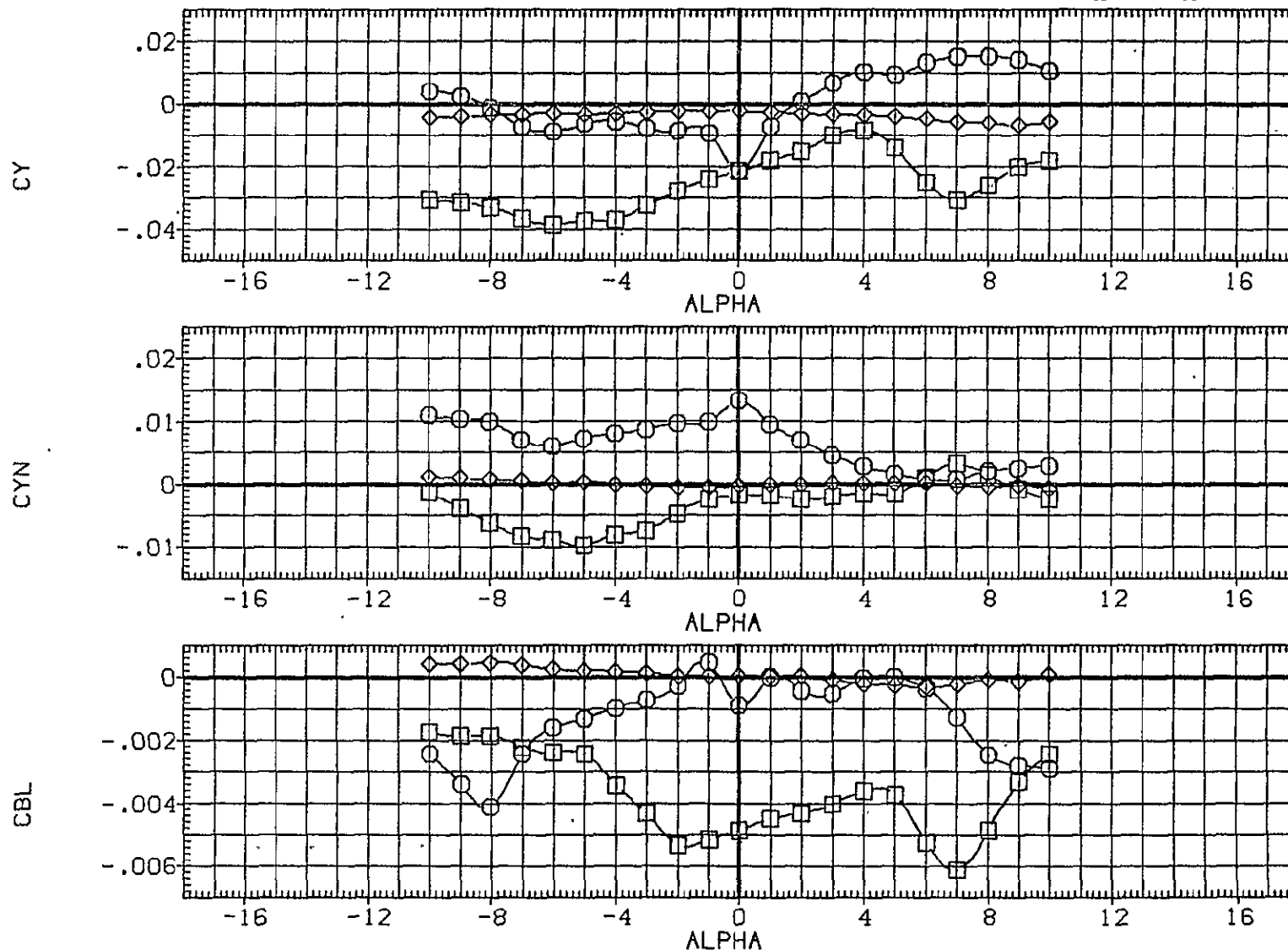
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RTQ050)	○ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	2.200	1500.000	1.400	.000	SREF	2690.0000	50.FT.
(ATL043)	□ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	2.200	1500.000	1.400	.000	LREF	1290.3000	IN.
(ATL001)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 2.2)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(RTQ050)	AEDC VA422 1A61 01ET151 0/ET DATA (SRB SEPRING)	2.200	1500.000	1.400	.000	SREF 2690.0000 SQ.FT.
(ATLD43)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	2.200	1500.000	1.400	.000	LREF 1290.3000 IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100

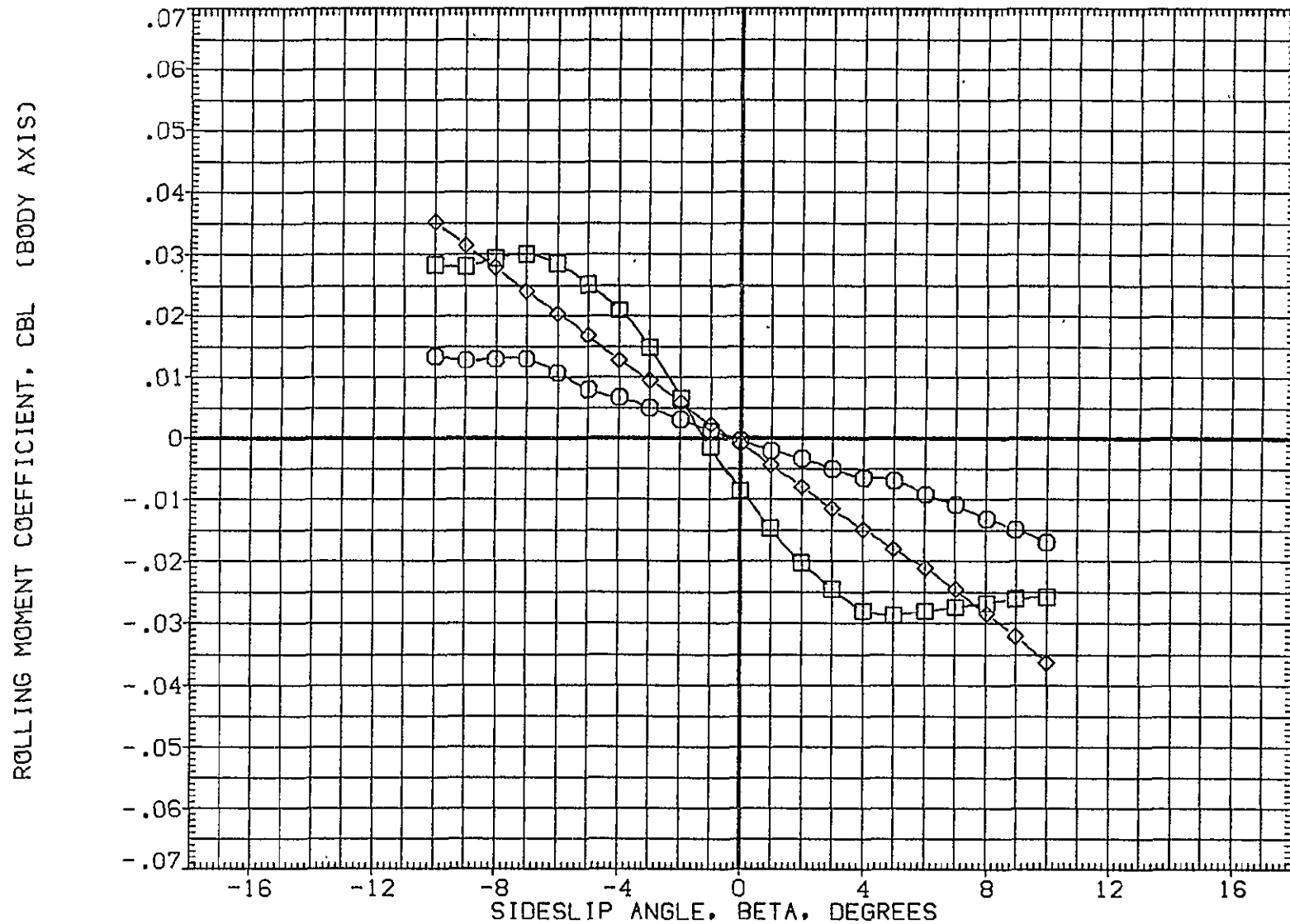


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 2.2)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RTQ051)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	1500.000	1.400	.000	SREF	2690.0000	SQ.FT.
(ATL044)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	2.200	1500.000	1.400	.000	LREF	1290.3000	IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

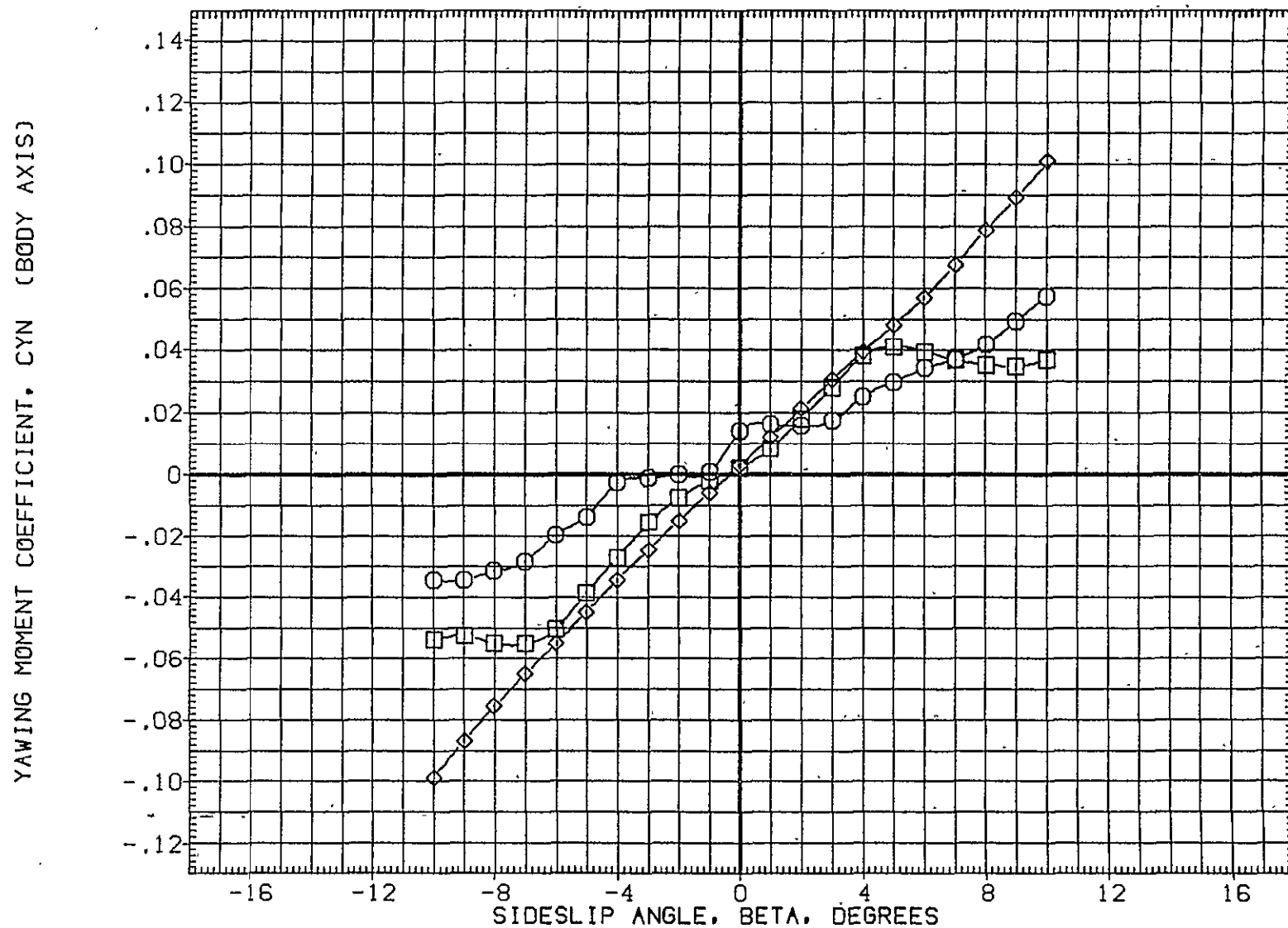


EFFECT OF BOTH SRB ENGINE PLUMES ON 0/ET AERØ. CHARACT. (SRB POS 2.2)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RT0051)	AEBC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	1500.000	1.400	.000	SREF	2690.0000 SQ.FT.
(ATLO44)	AEBC VA-422(1A-57), ORB/ET W/BOTH SRB	2.200	1500.000	1.400	.000	LREF	1290.3000 IN.
(ATLO02)	AEBC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

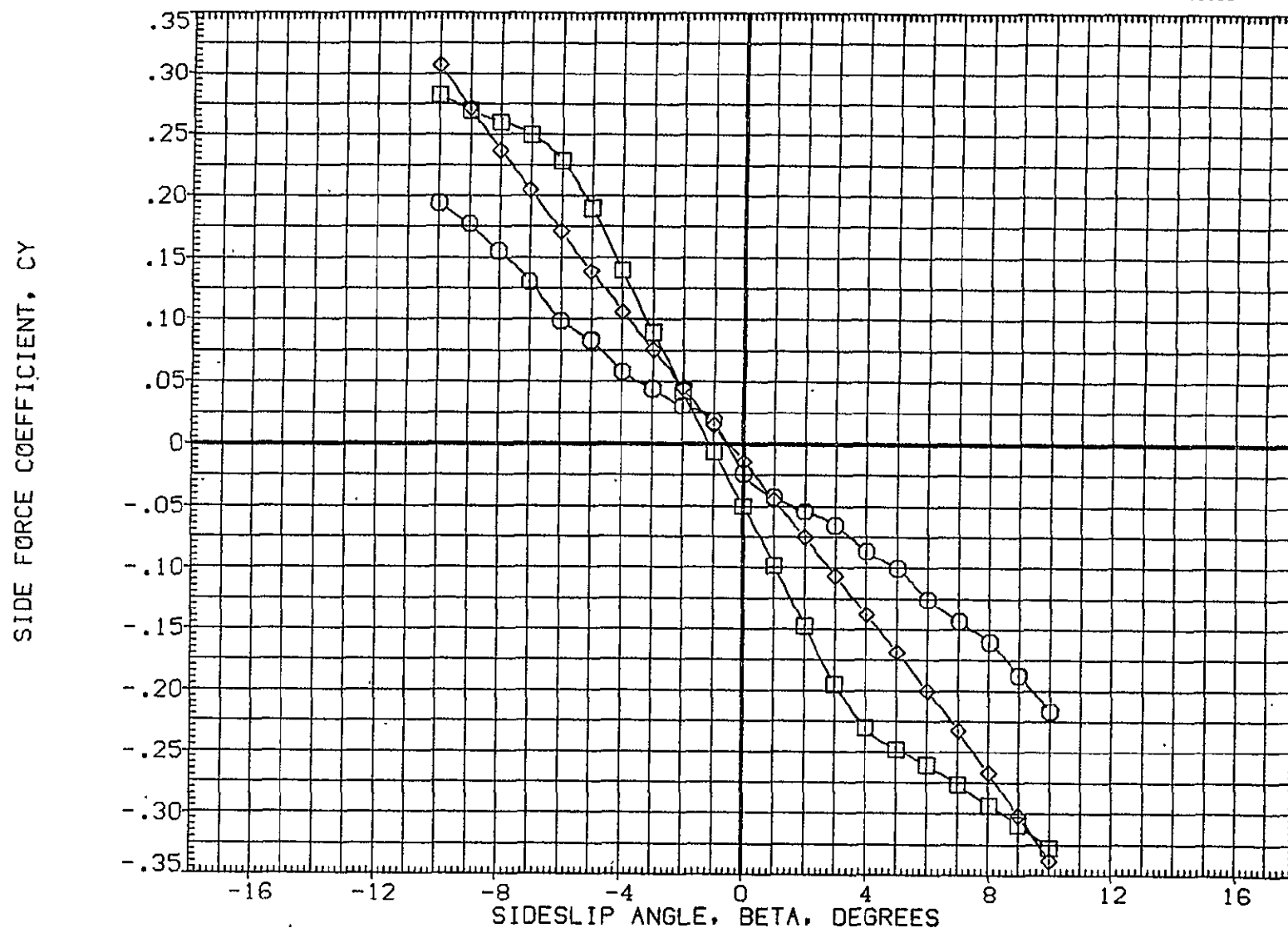


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 2.2)

(A)MACH = 4.50

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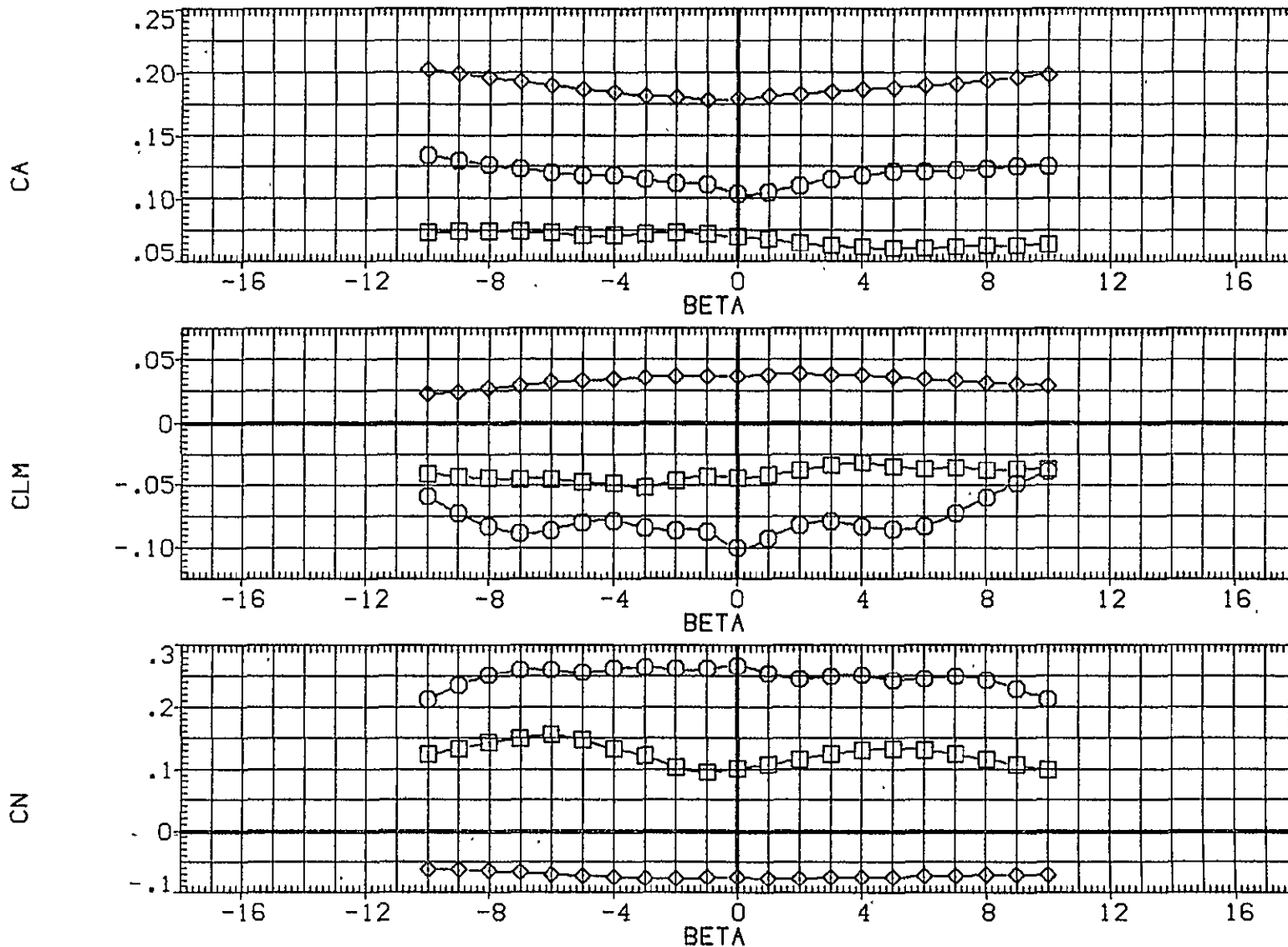
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RT0051)	○ AEDC VA422 (A61 01ET151 O/ET DATA (SRB SEPRNG)	2.200	1500.000	1.400	.000	SREF	2690.0000 SQ.FT.
(ATL044)	□ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	2.200	1500.000	1.400	.000	LREF	1290.3000 IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100



EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 2.2)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0051)	AEDC VA422 (A61 01ET1S1 O/ET DATA (SRB SEPRING)	2.200	1500.000	1.400	.000	SREF	2690.0000	SQ.FT.
(ATL044)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	2.200	1500.000	1.400	.000	LREF	1290.3000	IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

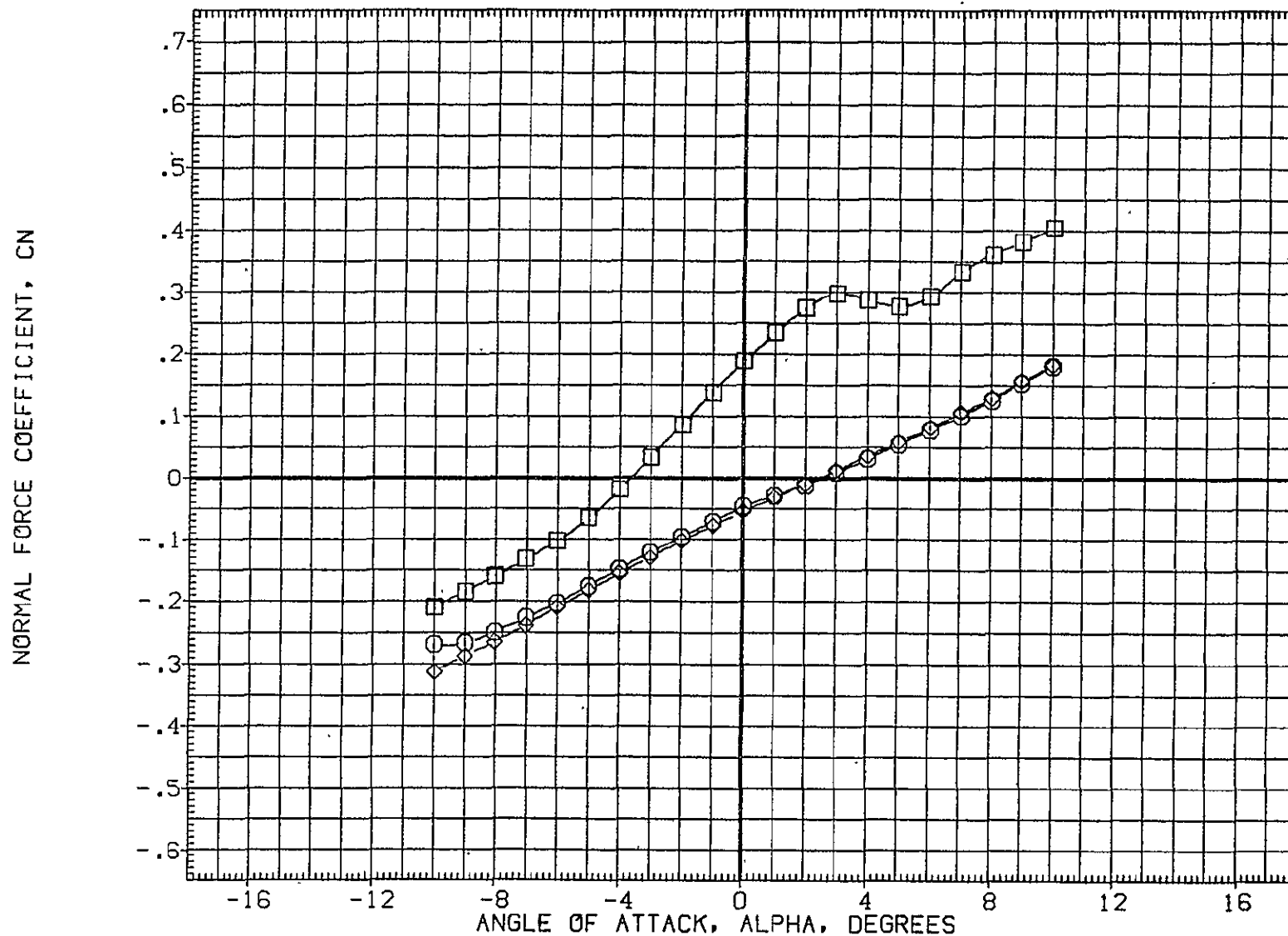


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 2.2)

(A)MACH = 4.50

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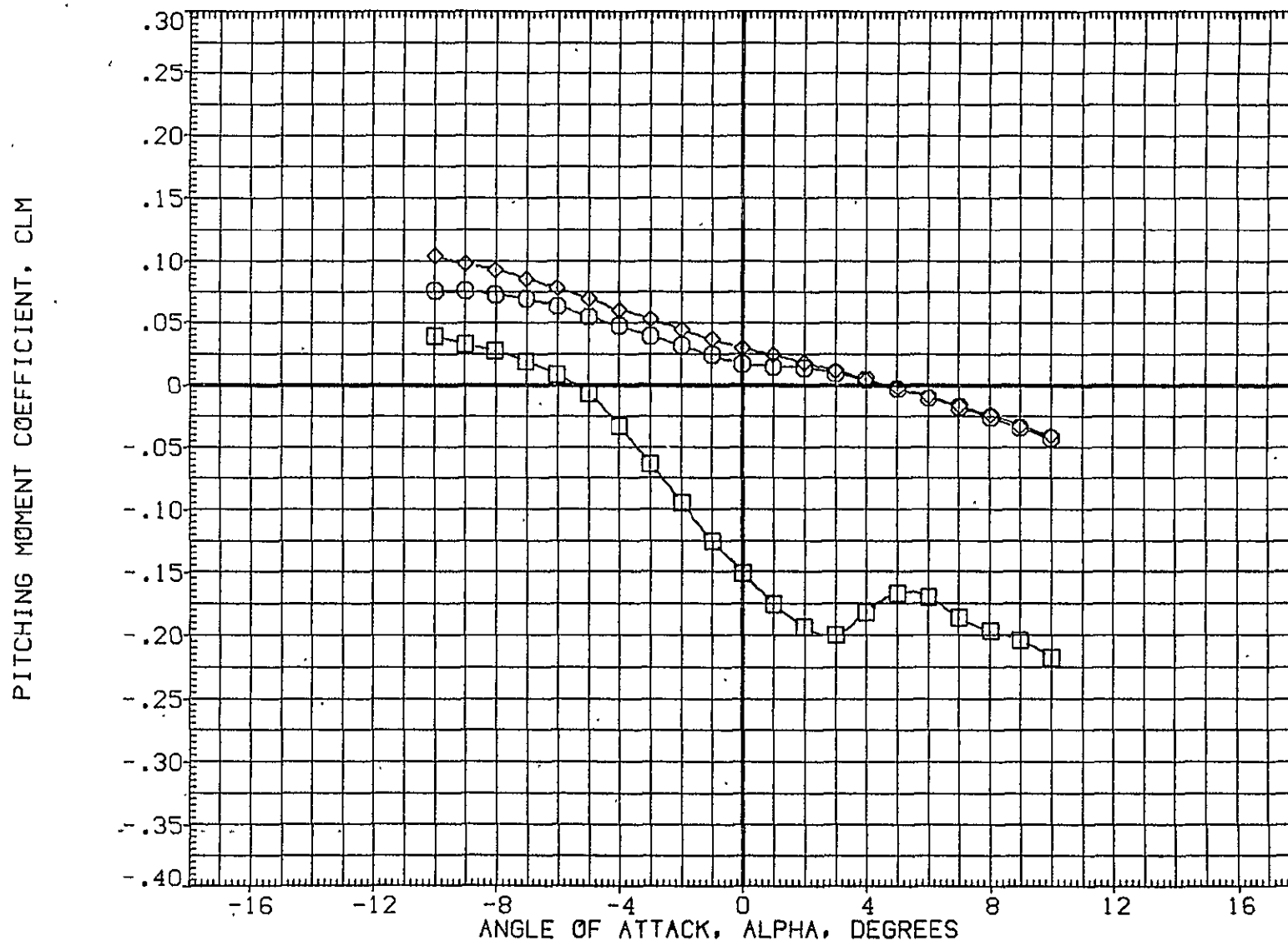
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0069)	AEDC VA422 (A61 01ET1S1) O/ET DATA (SRB SEPRTING)	3.300	750.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATLO58)	AEDC VA-422(1A-57). ORB/ET W/BOTH SRB	3.300	750.000	1.760	.000	LREF	1290.3000	IN.
(ATLO01)	AEDC VA-422(1A-57). ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRF	1052.0000	IN.XT
						YMRF	.0000	IN.YT
						ZMRF	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF BOTH SRB ENGINE PLEUMES ON O/ET AERO. CHARACT. (SRB POS 3.3)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RTQ069)	AEBC VA422 IAGI OIETISI O/ET DATA (SRB SEPRNG)	3.300	750.000	1.760	.000	SREF	2690.0000	50.FT.
(ATLO58)	AEBC VA-422(IA-57), ORB/ET W/BOTH SRB	3.300	750.000	1.760	.000	LREF	1290.3000	IN.
(ATLO01)	AEBC VA-422(IA-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

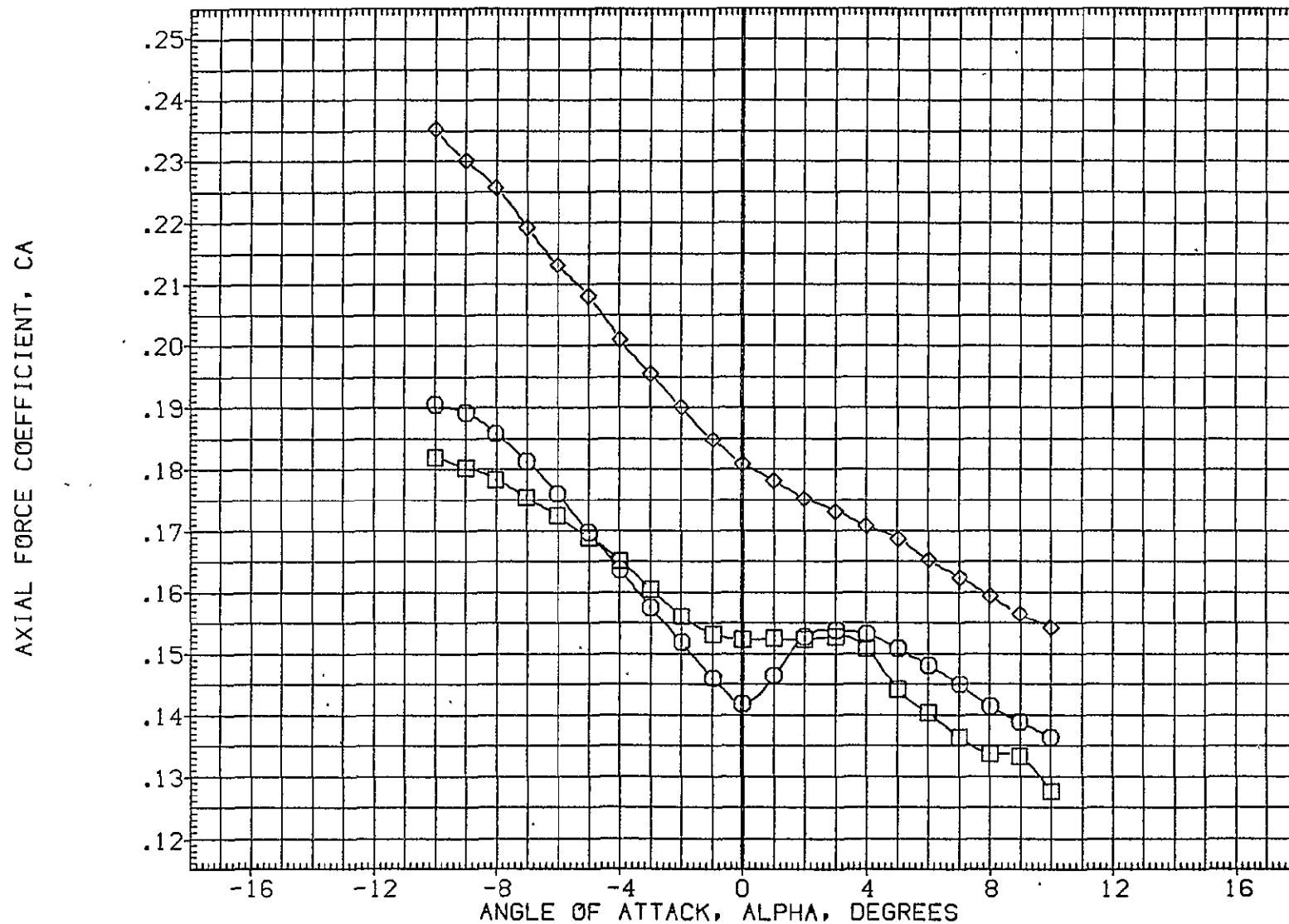


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 3.3)

(A)MACH = 4.50

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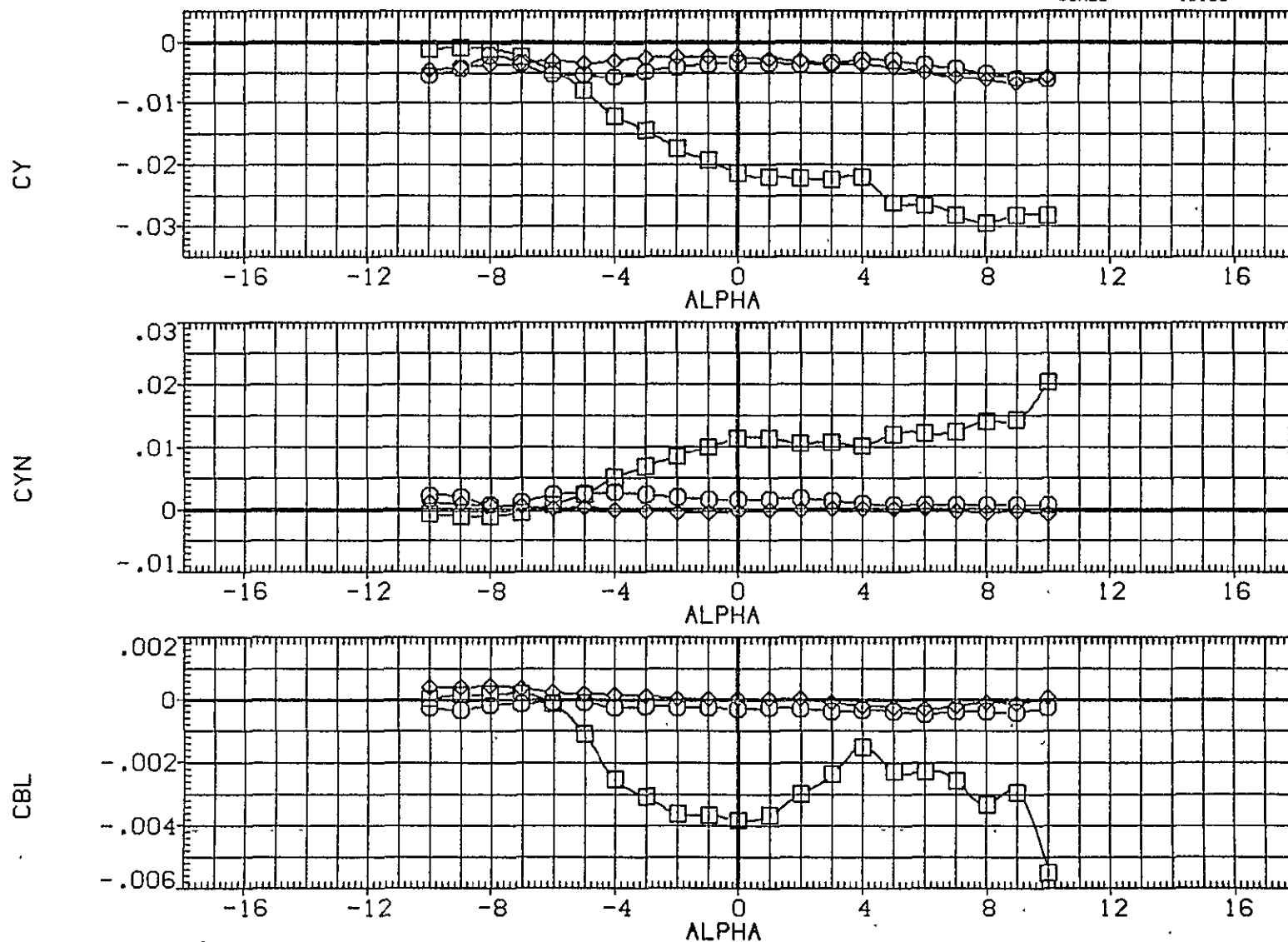
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(RTQ089)	□ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRTING)	3.300	750.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATL058)	○ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	3.300	750.000	1.760	.000	LREF	1290.3000 IN.
(ATL001)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100



EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 3.3)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0069)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	3.300	750.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL058)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	3.300	750.000	1.760	.000	LREF	1290.3000	IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

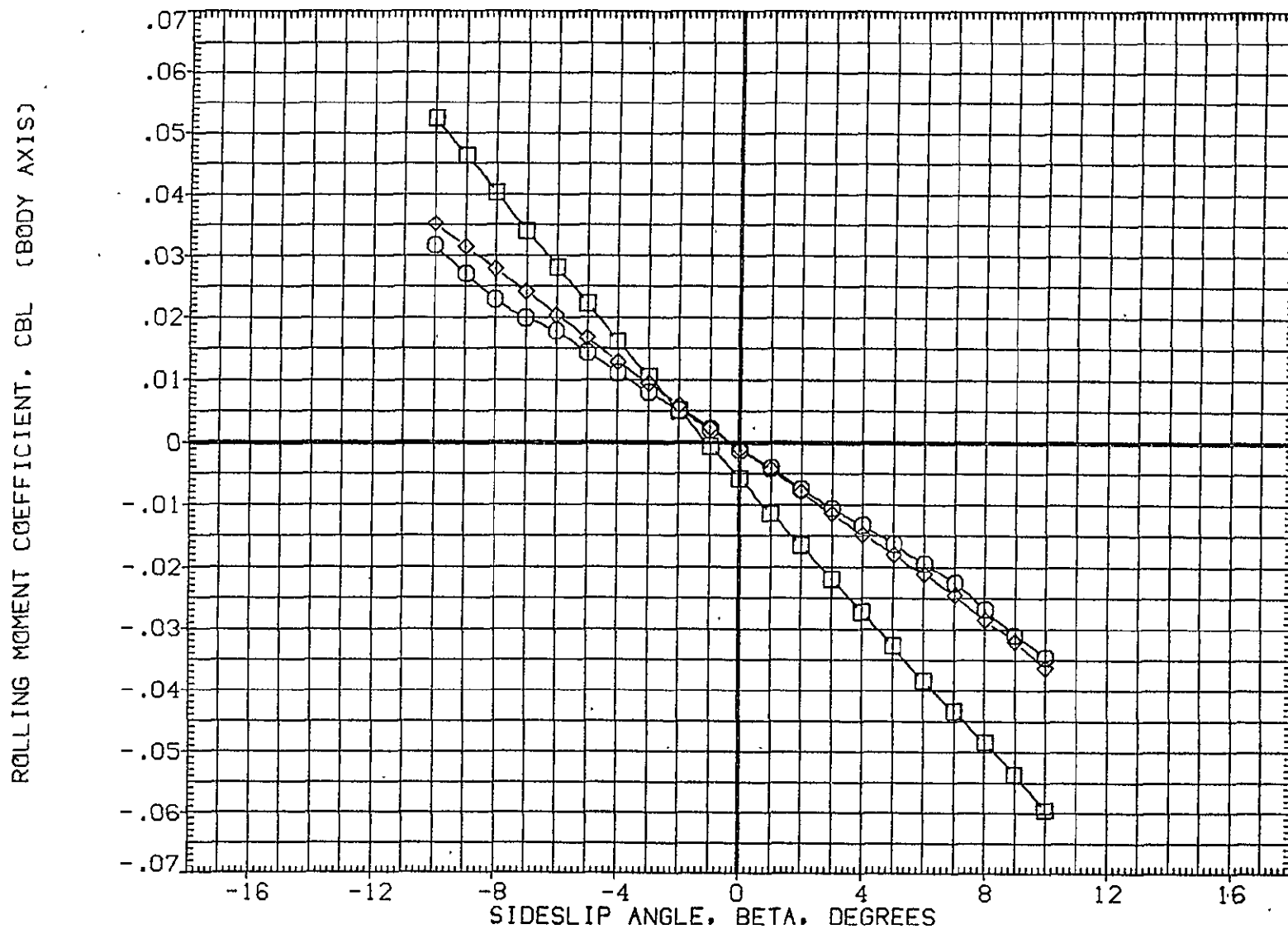


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 3.3)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RTQ070)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRING)	3.300	750.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATL059)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	3.300	750.000	1.760	.000	LREF	1290.3000 IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

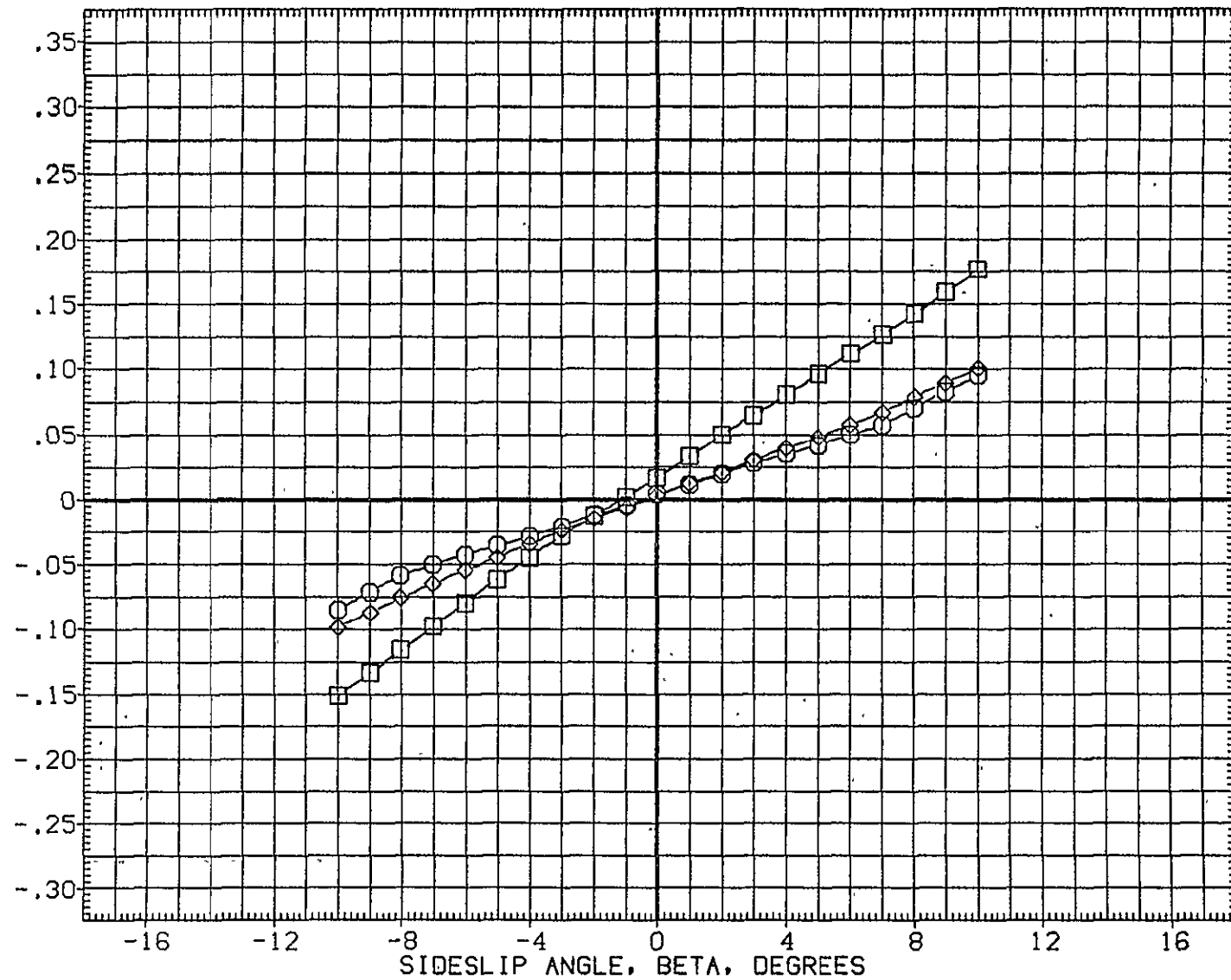


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 3.3)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RT0070)	AEDC VA422 1A61 01ETIS1 0/ET DATA (SRB SEPRING)	3.300	750.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATLO59)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	3.300	750.000	1.760	.000	LREF	1290.3000 IN.
(ATLO02)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

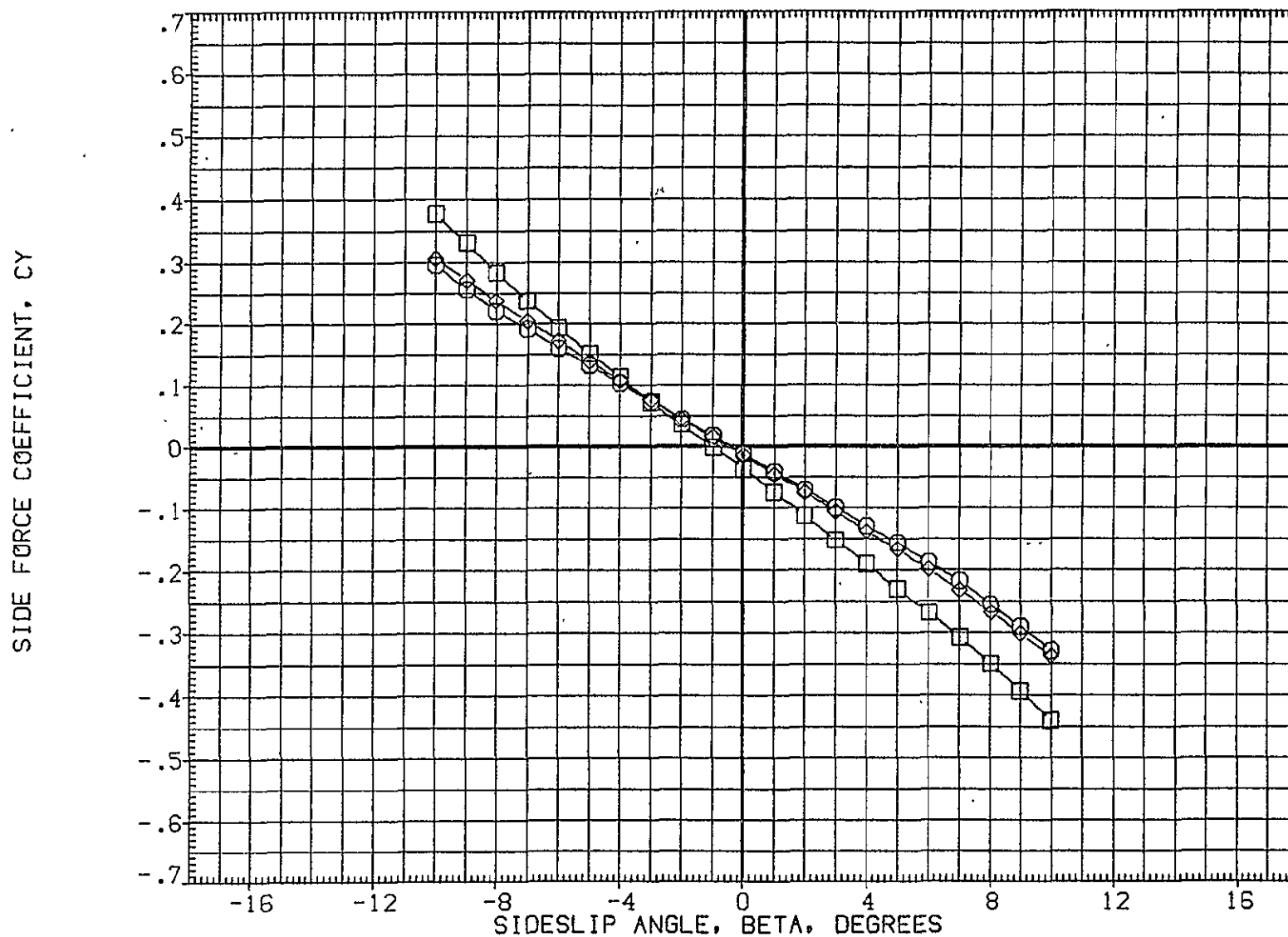


EFFECT OF BOTH SRB ENGINE PLUMES ON 0/ET AERO. CHARACT. (SRB POS 3.3)

(A)MACH = 4.50

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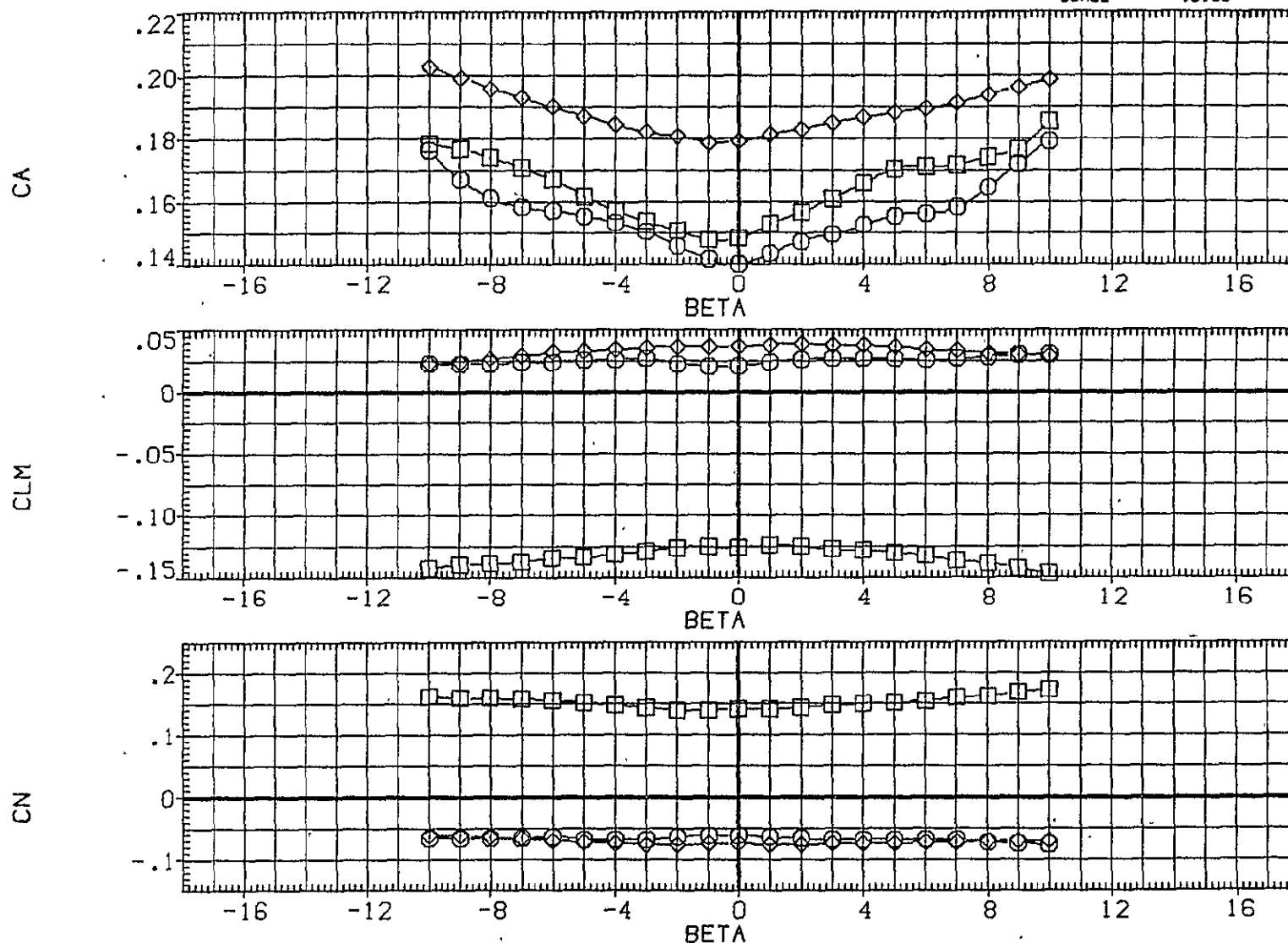
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(RT0070)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	3.300	750.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATL059)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	3.300	750.000	1.760	.000	LREF 1290.3000 IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XY
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100



EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 3.3)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0070)	AEDC VA422 (A61 01ET) S1 O/ET DATA (SRB SEPRNG)	3.300	750.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL059)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	3.300	750.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

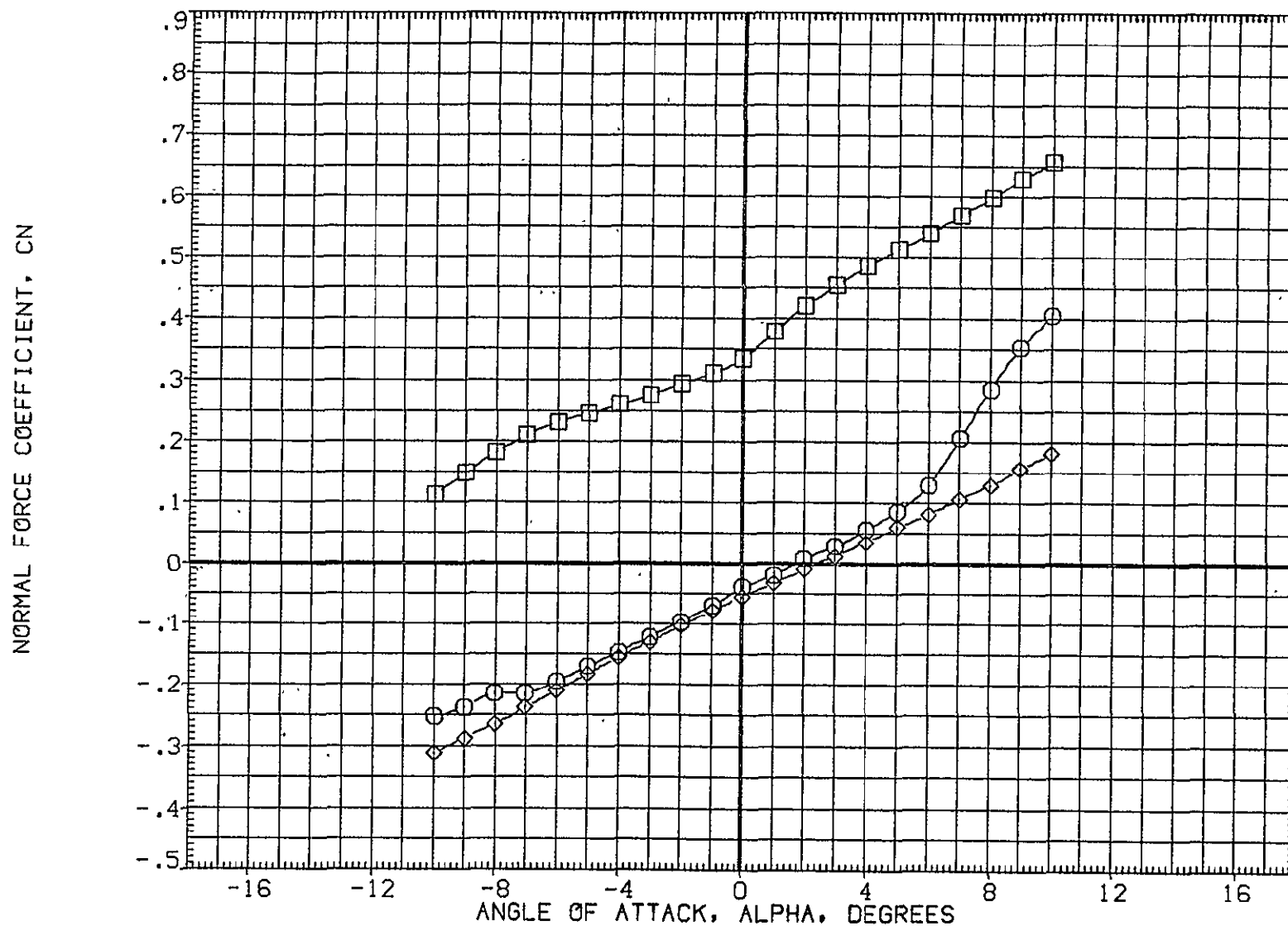


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 3.3)

(A)MACH = 4.50

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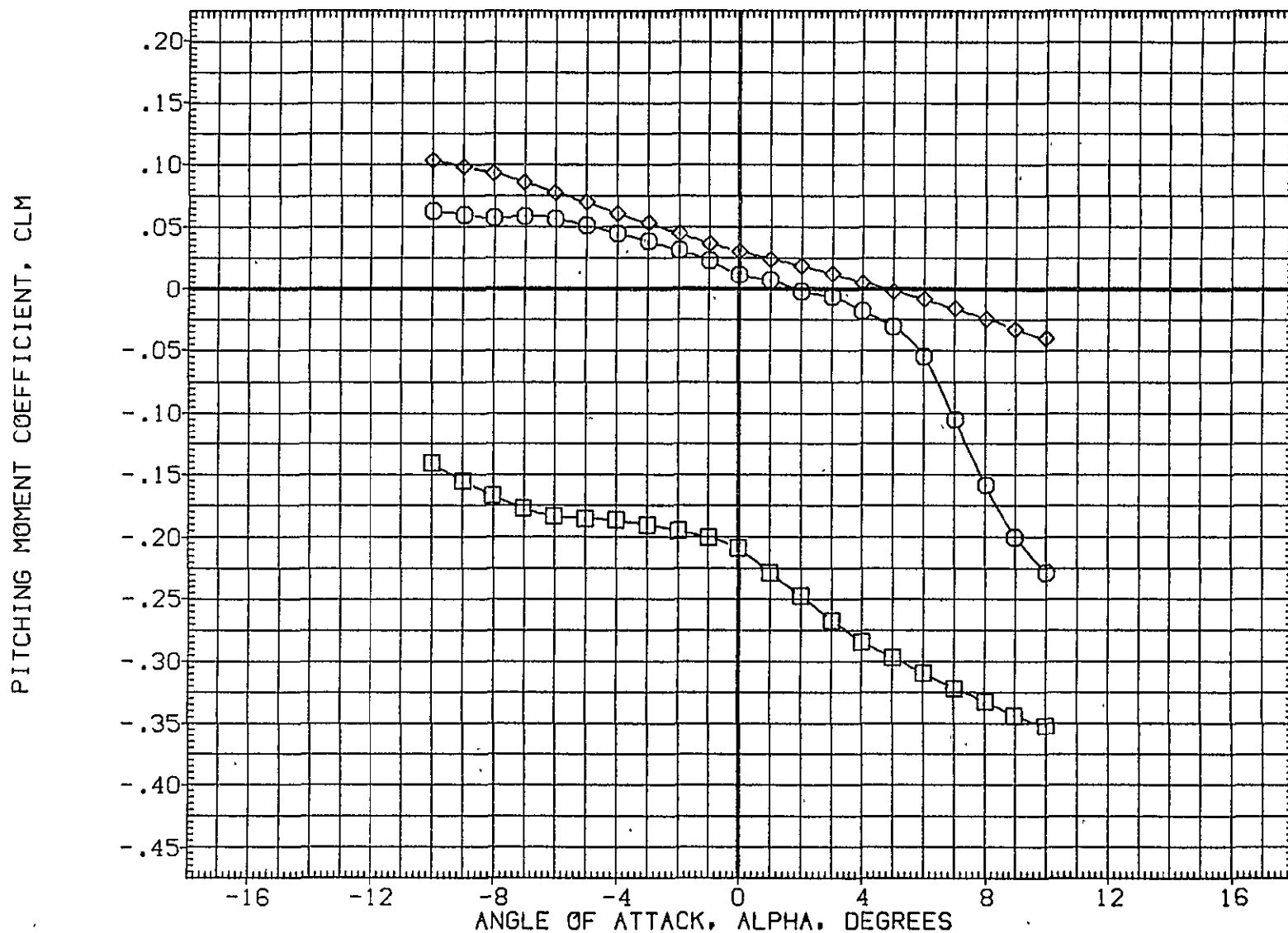
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(RTQ071)	□ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRING)	3.300	1500.000	1.760	.000	SREF 2690.0000 SO.FT.
(ATLO60)	□ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	3.300	1500.000	1.760	.000	LREF 1290.3000 IN.
(ATLO01)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XM RP 1052.0000 IN.XT
						YM RP .0000 IN.YT
						ZM RP 447.0000 IN.ZT
						SCALE .0100



EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 3.3)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(RT0071)	⊙ AEDC VA422 IA61 OIETISI O/ET DATA (SRB SEPRNG)	3.300	1500.000	1.760	.000	SREF	2690.0000 50.FT.
(ATL060)	□ AEDC VA-422(IA-57), ORB/ET W/BOTH SRB	3.300	1500.000	1.760	.000	LREF	1290.3000 IN.
(ATL001)	◇ AEDC VA-422(IA-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

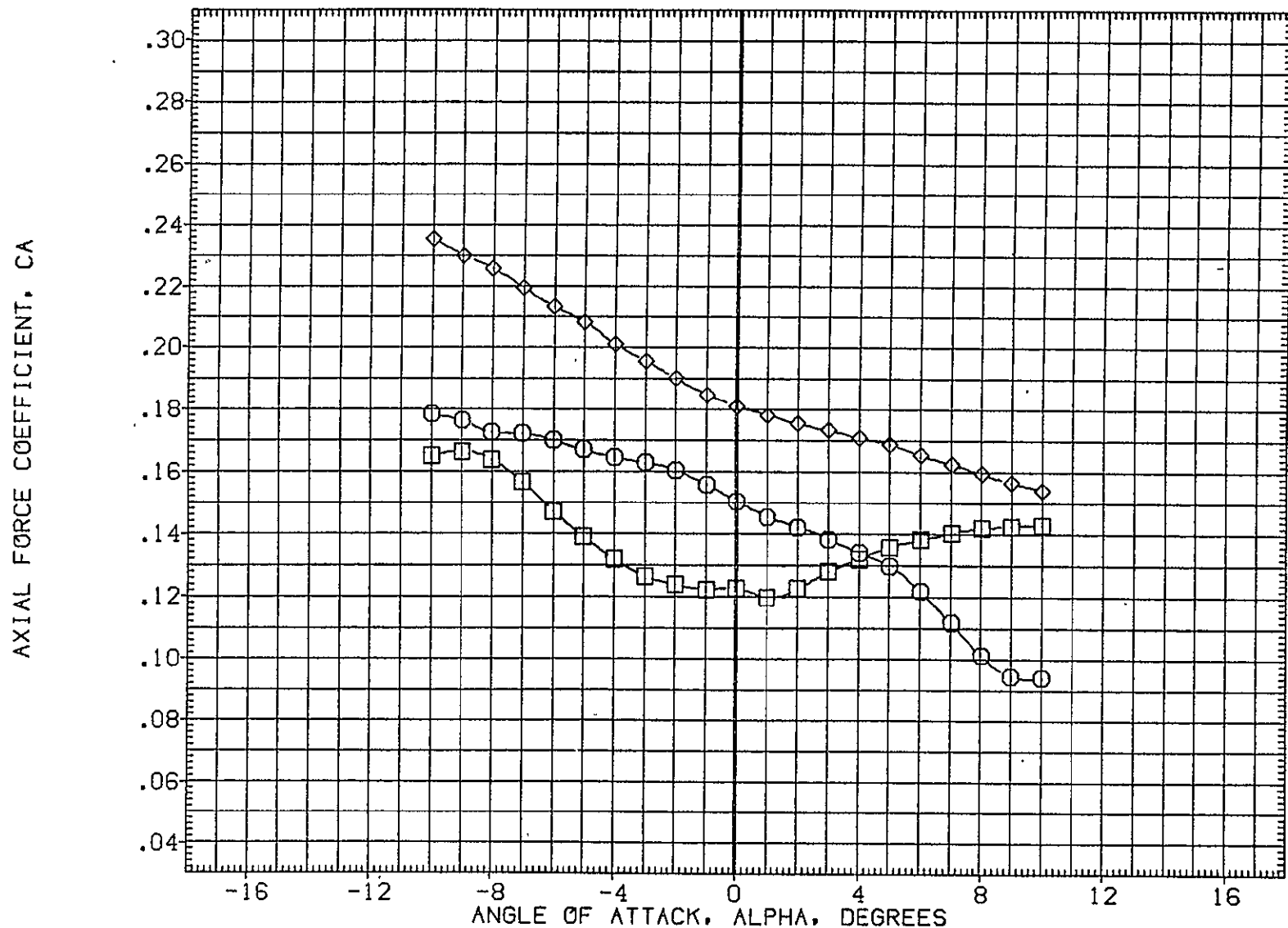


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 3.3)

(A)MACH = 4.50

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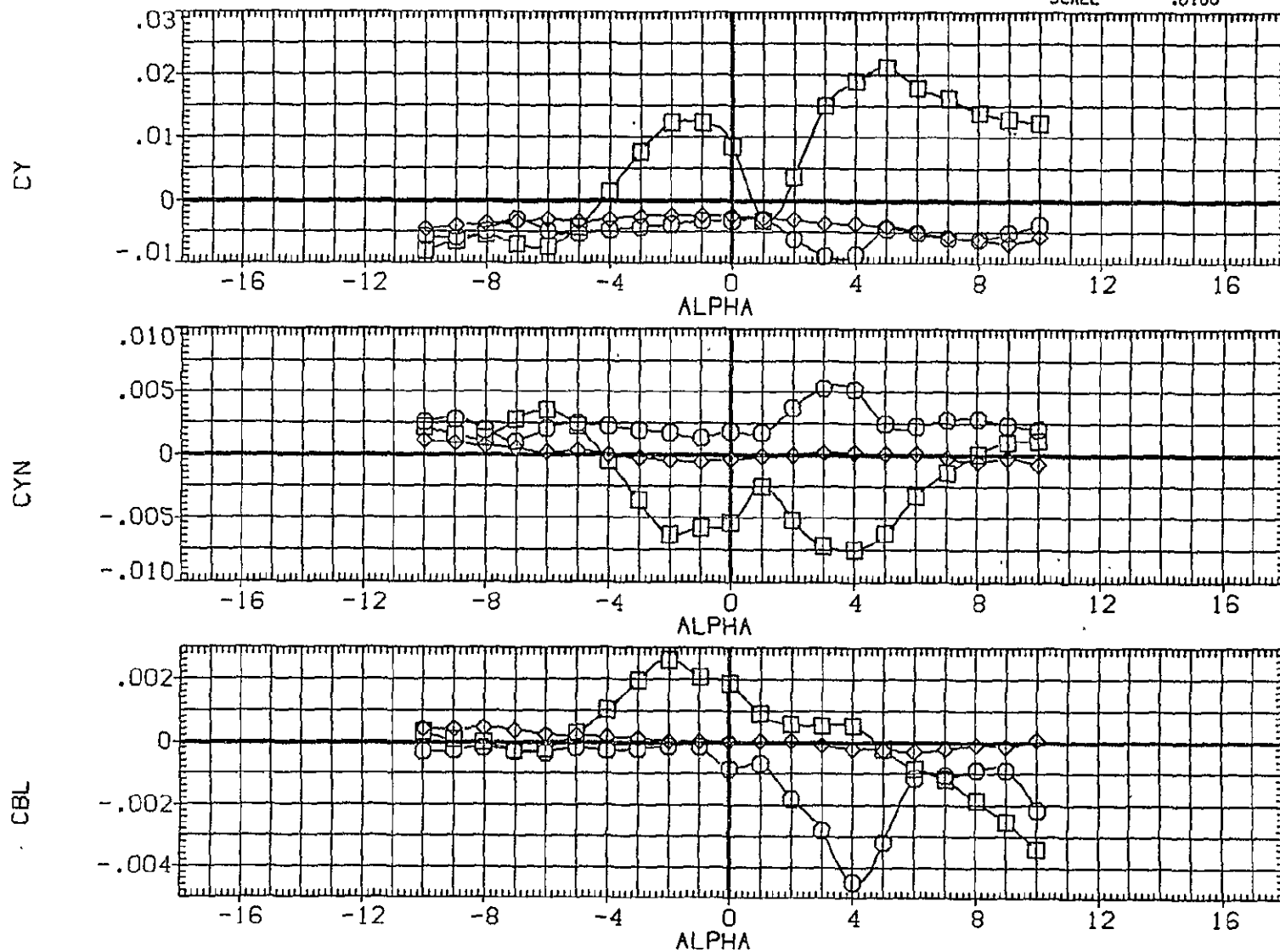
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(RTQ071)	AEDC VA422 IA61 01ET1S1 0/ET DATA (SRB SEPRTING)	3.300	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATL060)	AEDC VA-422(IA-57), ORB/ET W/BOTH SRB	3.300	1500.000	1.760	.000	LREF	1290.3000 IN.
(ATL001)	AEDC VA-422(IA-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100



EFFECT OF BOTH SRB ENGINE PLUMES ON 0/ET AERO. CHARACT. (SRB POS 3.3)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(RT0071)	□ AEDC VA422 (A61 01ET) O/ET DATA (SRB SEPRTNG)	3.300	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATL060)	○ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	3.300	1500.000	1.760	.000	LREF	1290.3000 IN.
(ATL001)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100



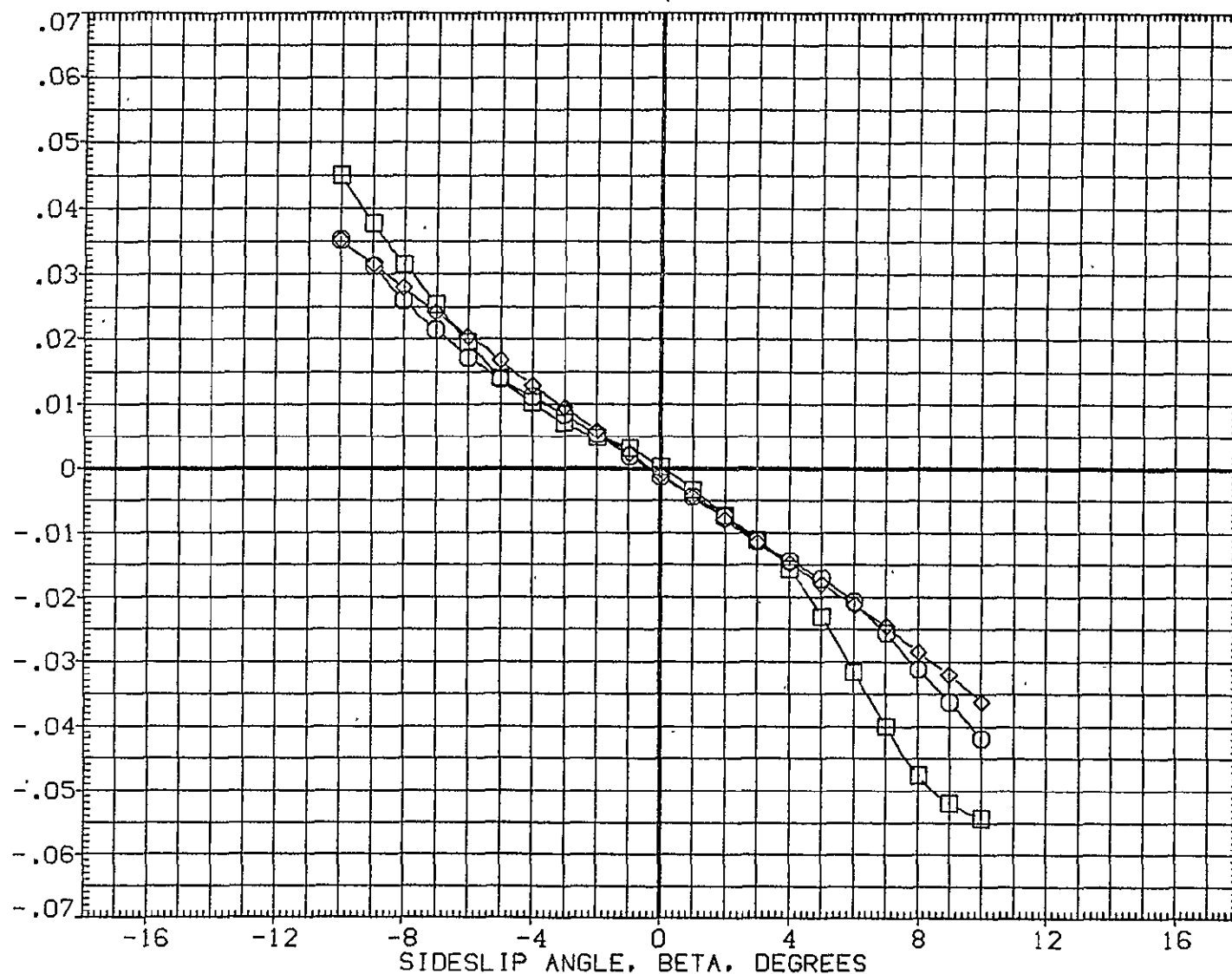
EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 3.3)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RT0072)	○ AEDC VA422 (A61 01ET)SI O/ET DATA (SRB SEPRTNB)	3.300	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATL061)	□ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	3.300	1500.000	1.760	.000	LREF	1290.3000 IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

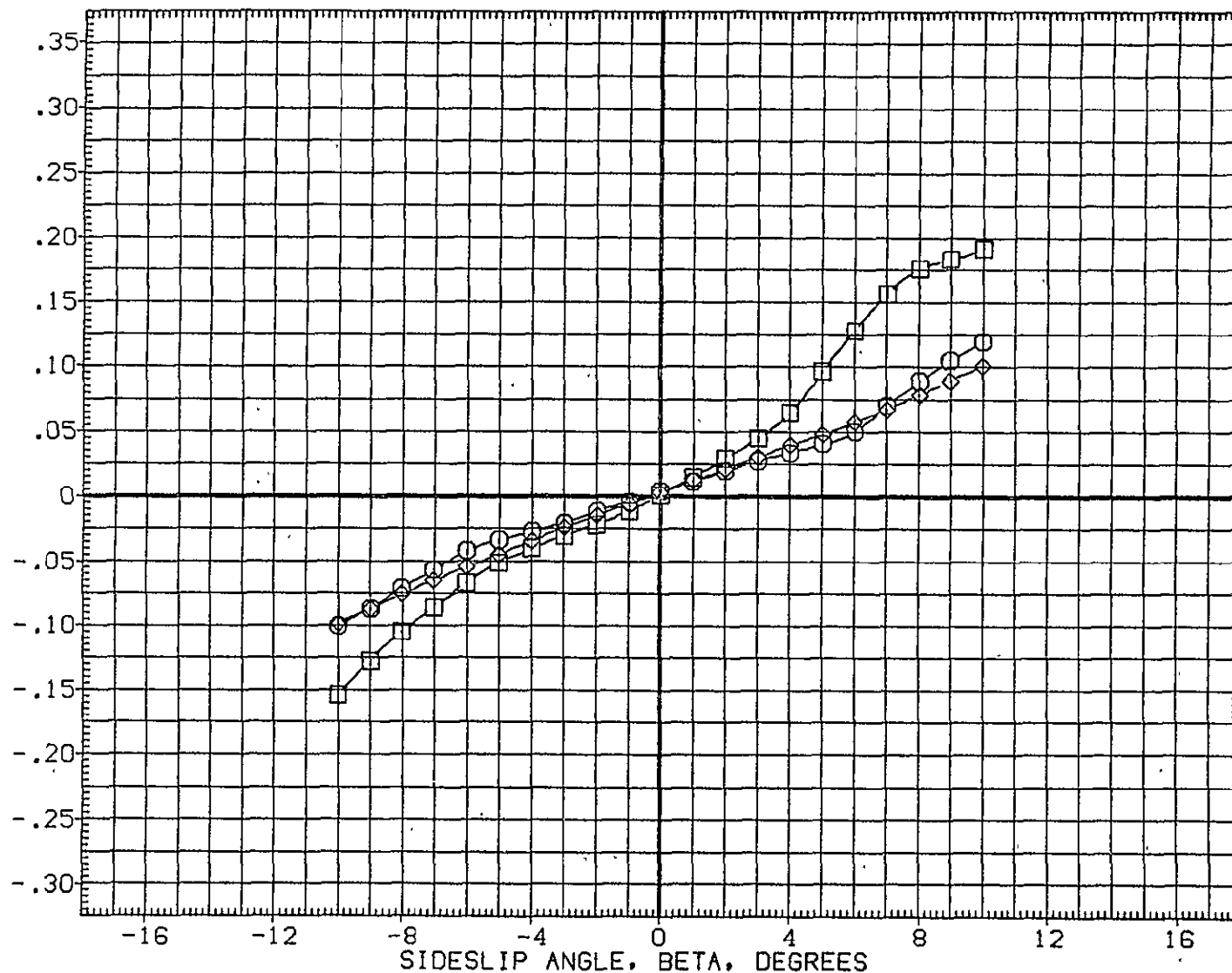


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 3.3)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(RT0072)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	3.300	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATL061)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	3.300	1500.000	1.760	.000	LREF 1290.3000 IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100

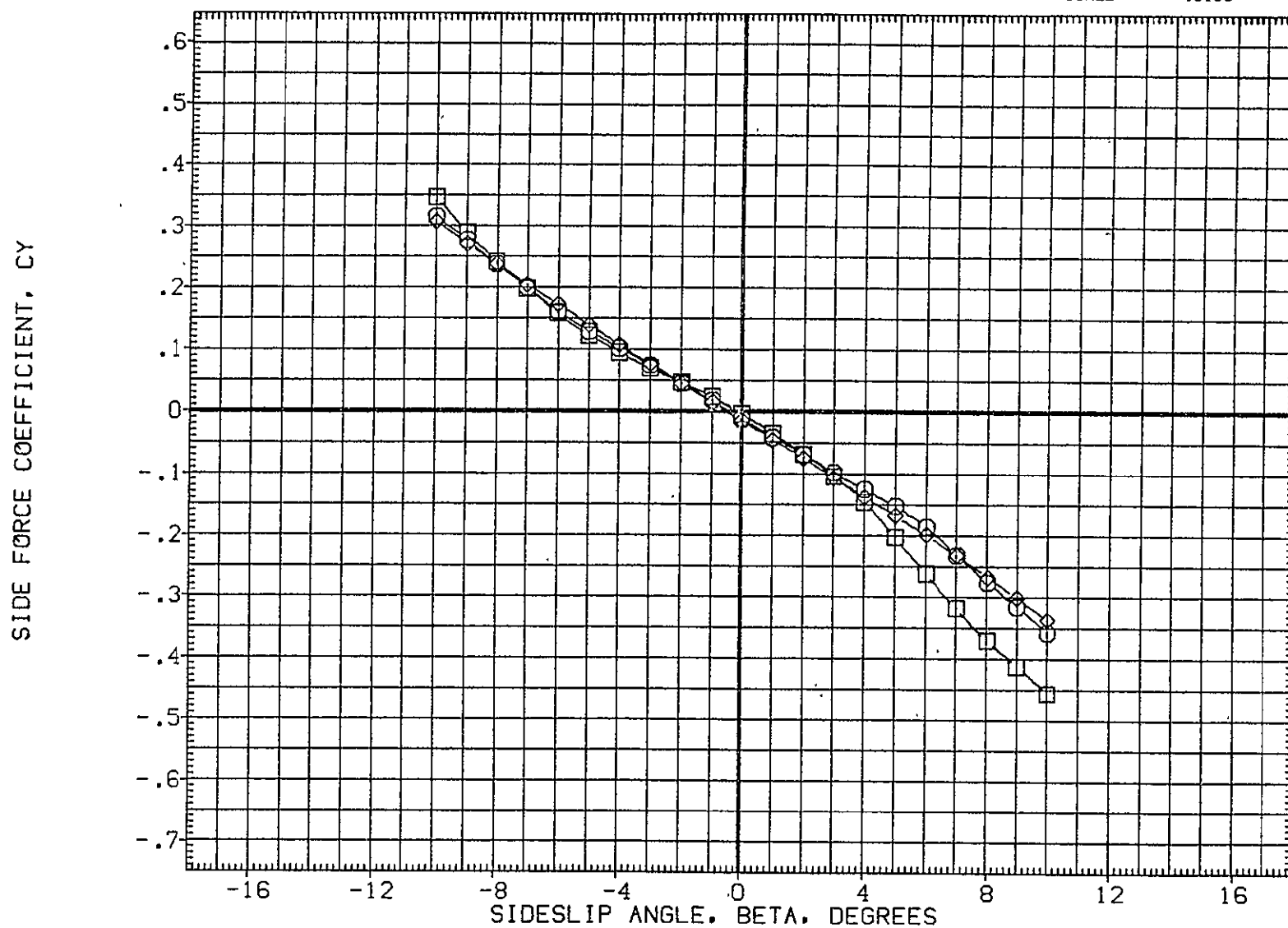
YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 3.3)

(A)MACH = 4.50

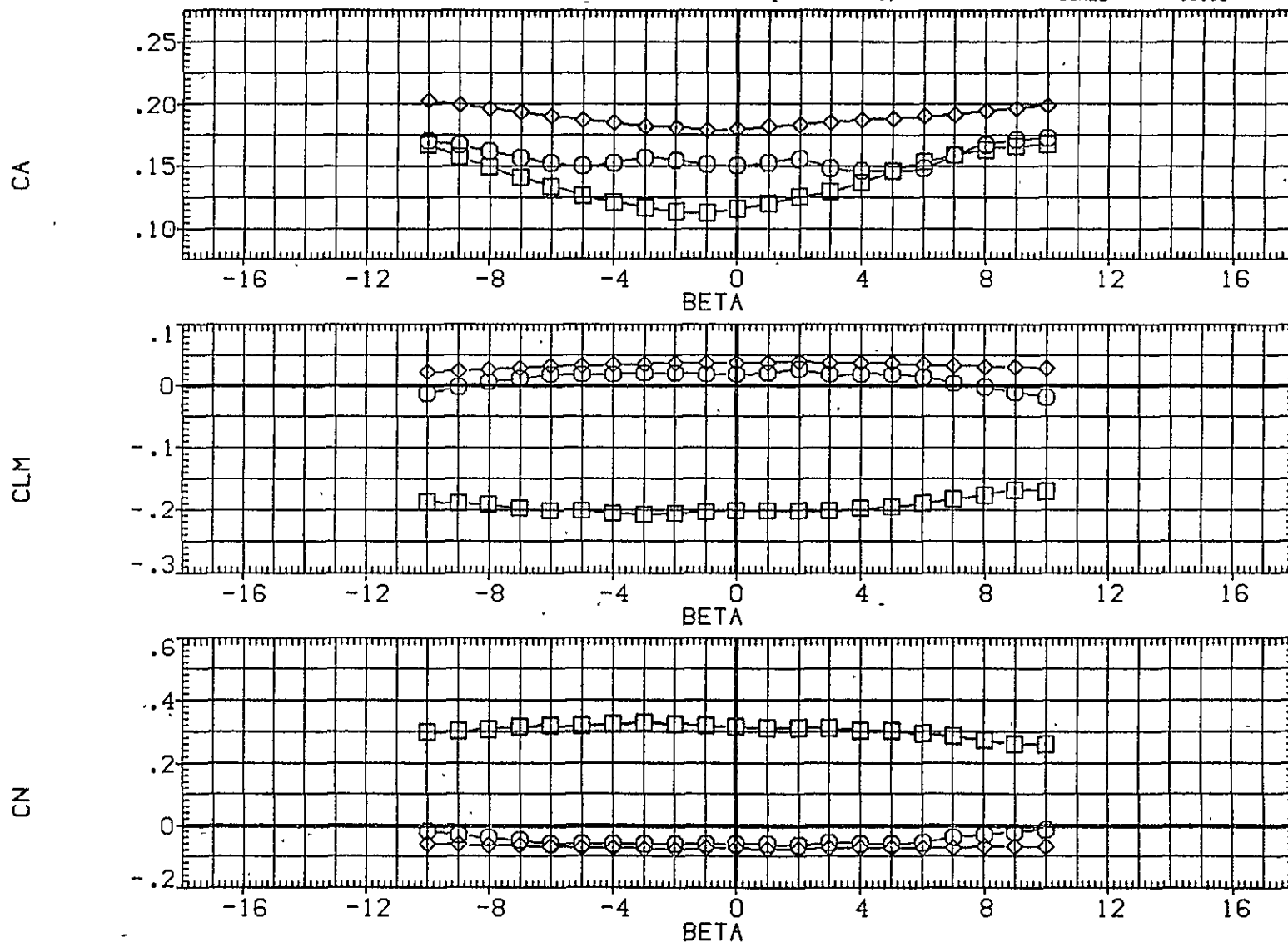
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0072)	AEDC VA422 IA61 01ET1S1 0/ET DATA (SRB SEPRING)	3.300	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL061)	AEDC VA-422(IA-57). 0RB/ET W/BOTH SRB	3.300	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	AEDC VA-422(IA-57). ISOLATED 0RB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 3.3)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RTQ072)	AEBC VA422 (A61 01ET1S1 0/ET DATA (SRB SEPRNG)	3.300	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL061)	AEBC VA-422(1A-57), ORB/ET W/BOTH SRB	3.300	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	AEBC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

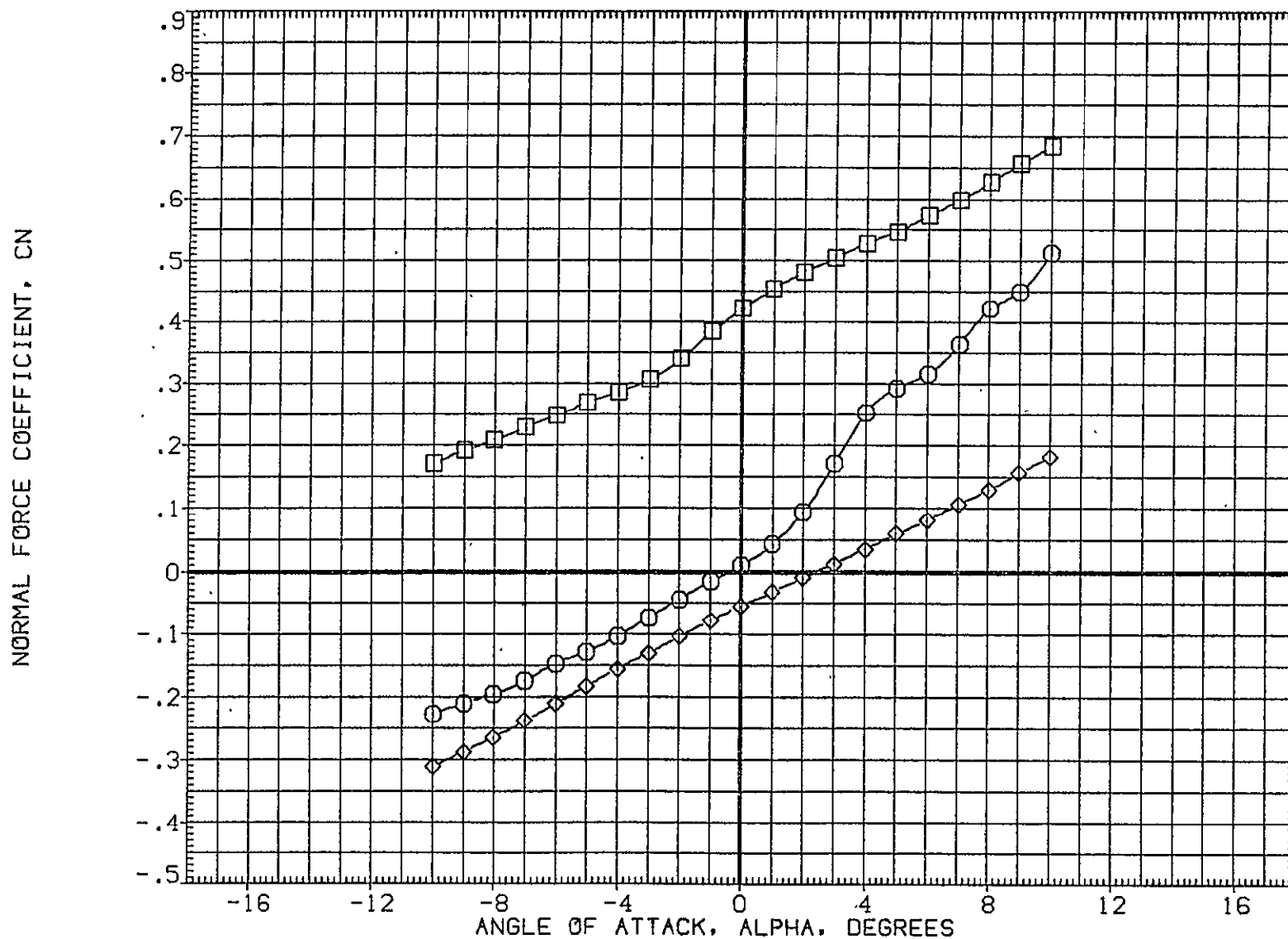


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 3.3)

(A)MACH = 4.50

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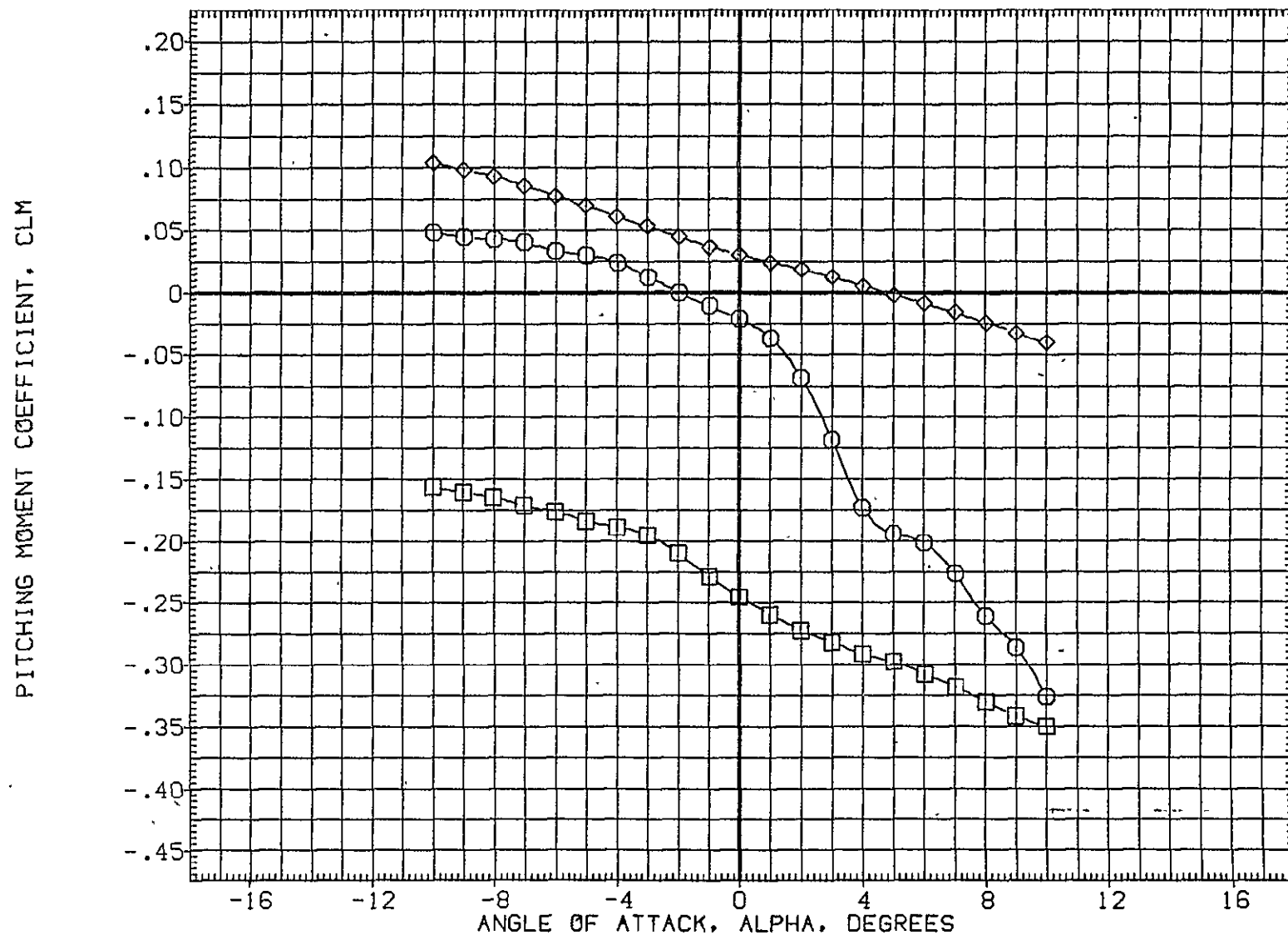
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(RT0066)	AEBC VA422 (A61 01ET1S1) O/ET DATA (SRB SEPRNG)	3.300	1500.000	1.400	.000	SREF	2690.0000 SQ.FT.
(ATL054)	AEBC VA-422(1A-57). ORB/ET W/BOTH SRB	3.300	1500.000	1.400	.000	LREF	1290.3000 IN.
(ATL001)	AEBC VA-422(1A-57). ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMMP	1052.0000 IN.XT
						YMMP	.0000 IN.YT
						ZMMP	447.0000 IN.ZT
						SCALE	.0100



EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 3.3)

(A)MACH = 4.50

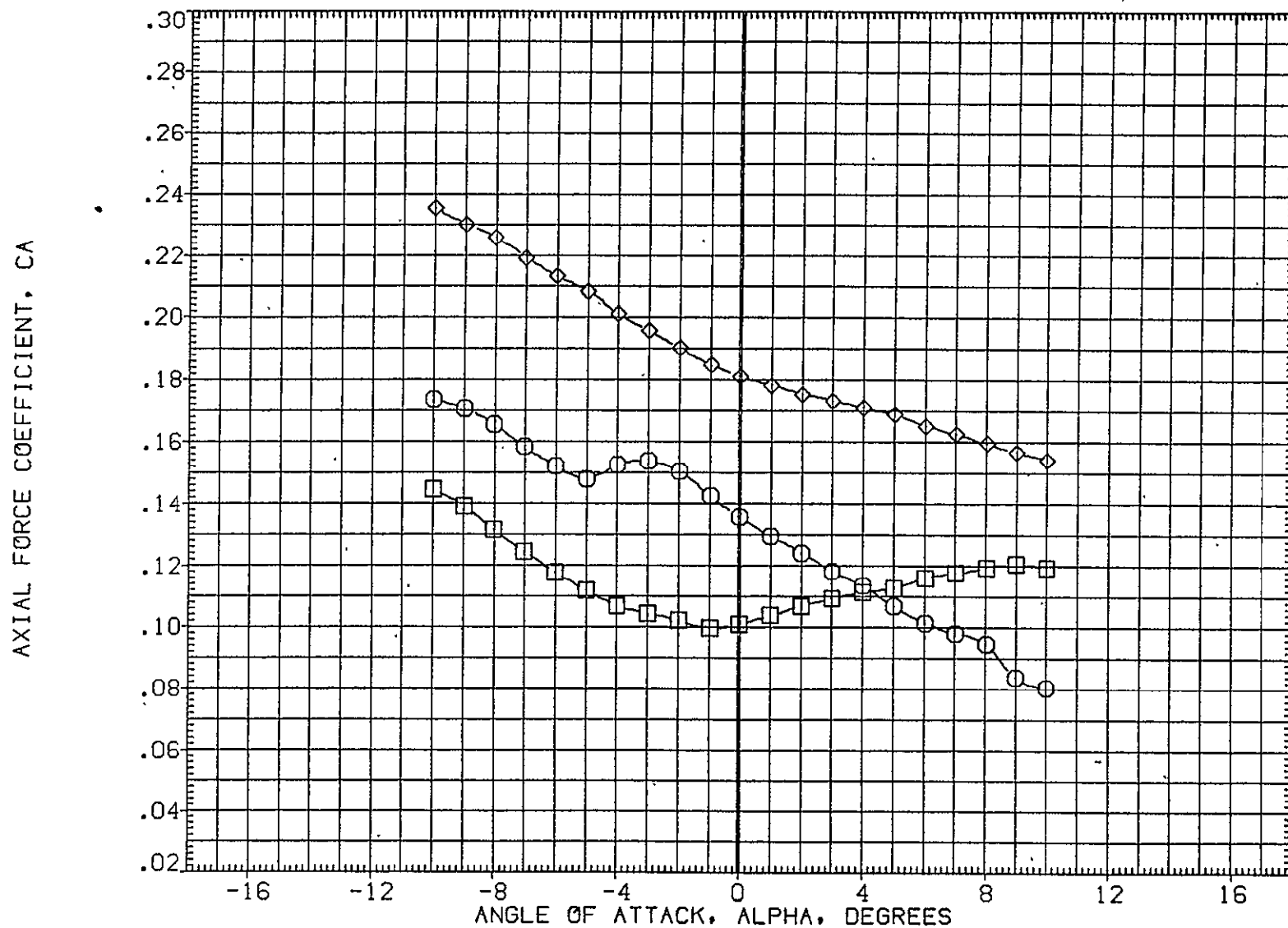
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(RT0066)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	3.300	1500.000	1.400	.000	SREF	2690.0000 SQ.FT.
(ATL054)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	3.300	1500.000	1.400	.000	LREF	1290.3000 IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100



EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 3.3)

(A)MACH = 4.50

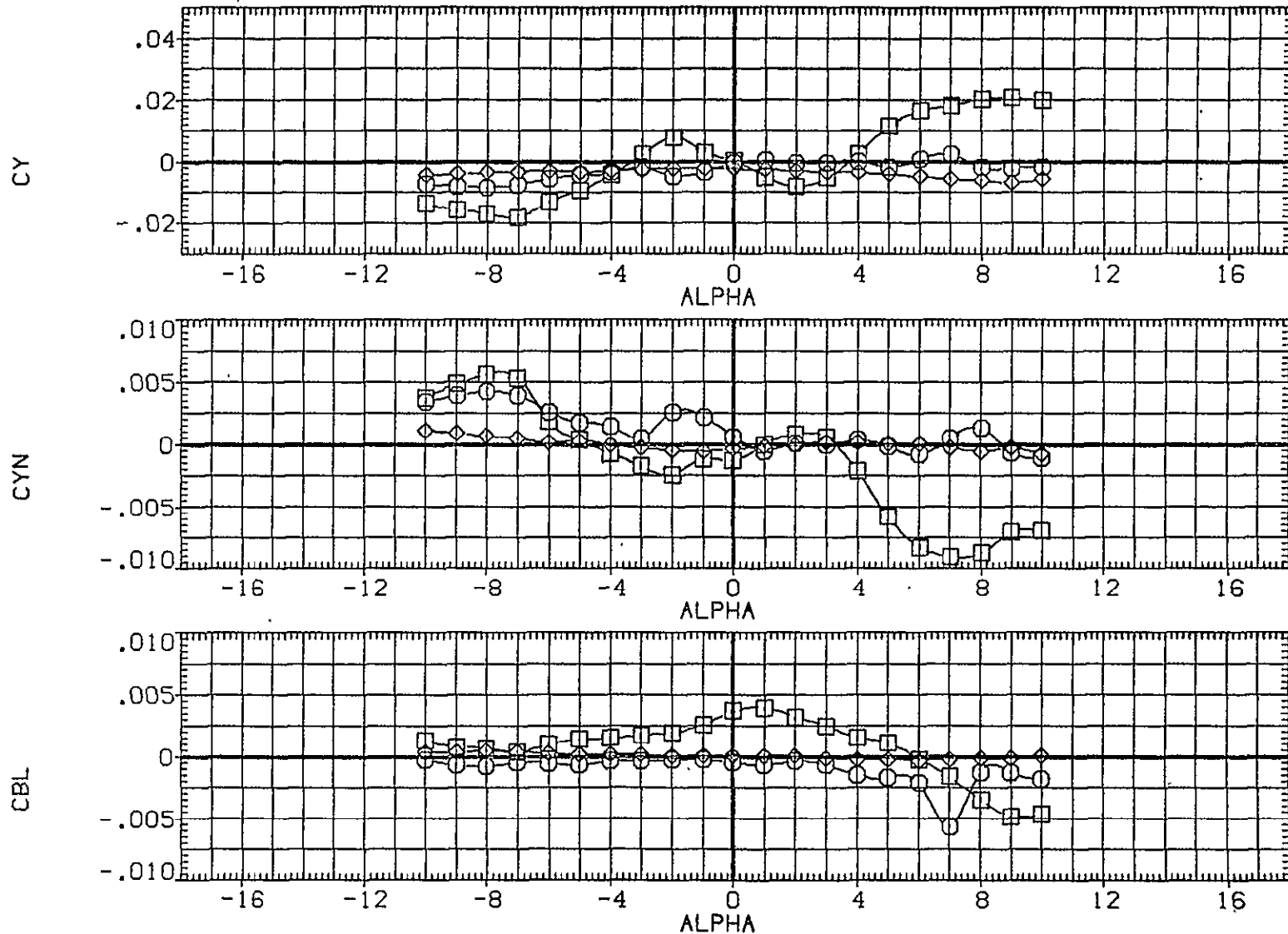
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(RT0066)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRTNG)	3.300	1500.000	1.400	.000	SREF	2690.0000 SQ.FT.
(ATL054)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	3.300	1500.000	1.400	.000	LREF	1290.3000 IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100



EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 3.3)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0066)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	3.300	1500.000	1.400	.000	SREF	2690.0000	SQ.FT.
(ATL054)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	3.300	1500.000	1.400	.000	LREF	1290.3000	IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

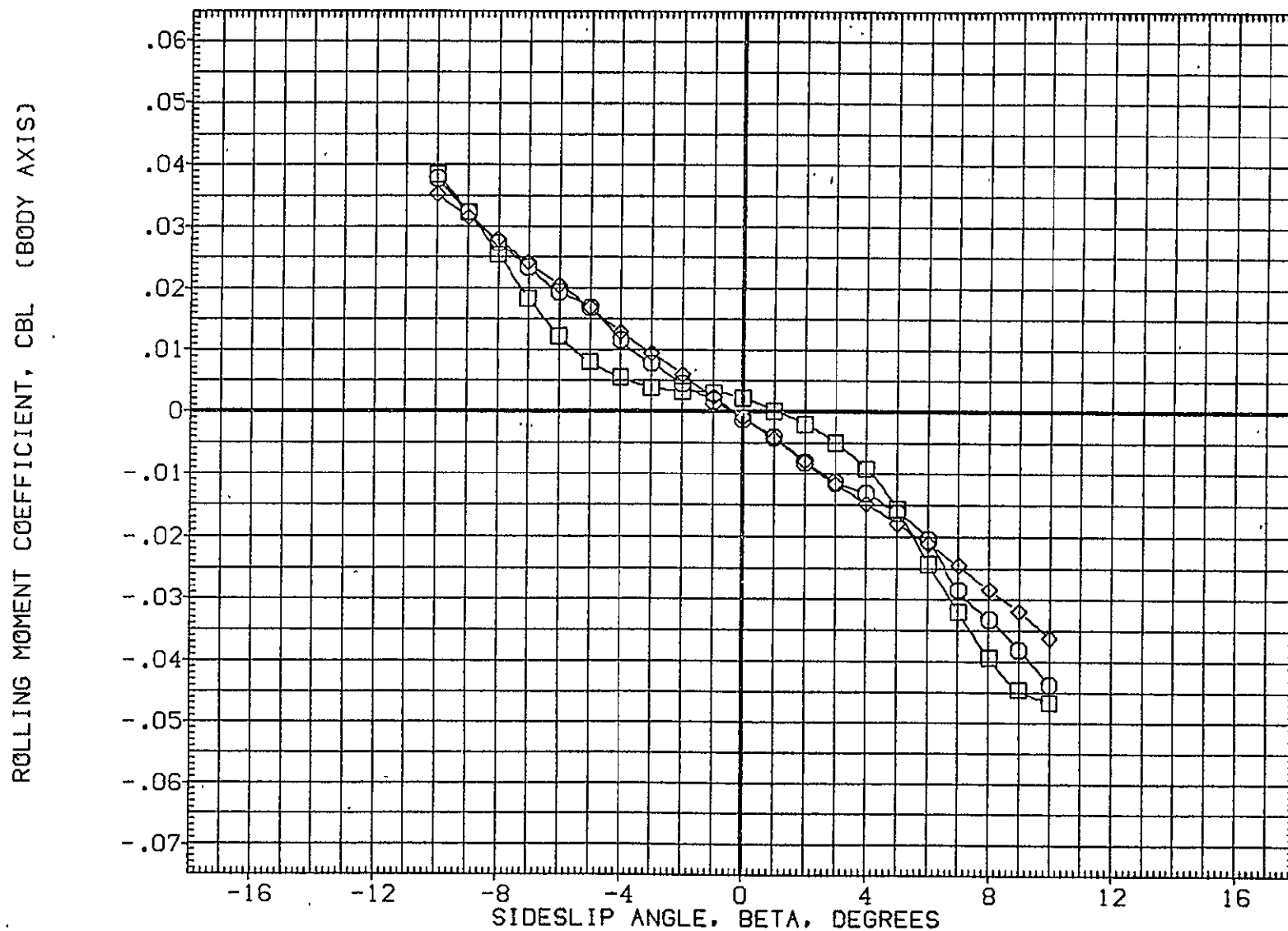


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 3.3)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0067)	○ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	3.300	1500.000	1.400	.000	SREF	2690.0000	SQ.FT.
(ATL055)	□ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	3.300	1500.000	1.400	.000	LREF	1290.3000	IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

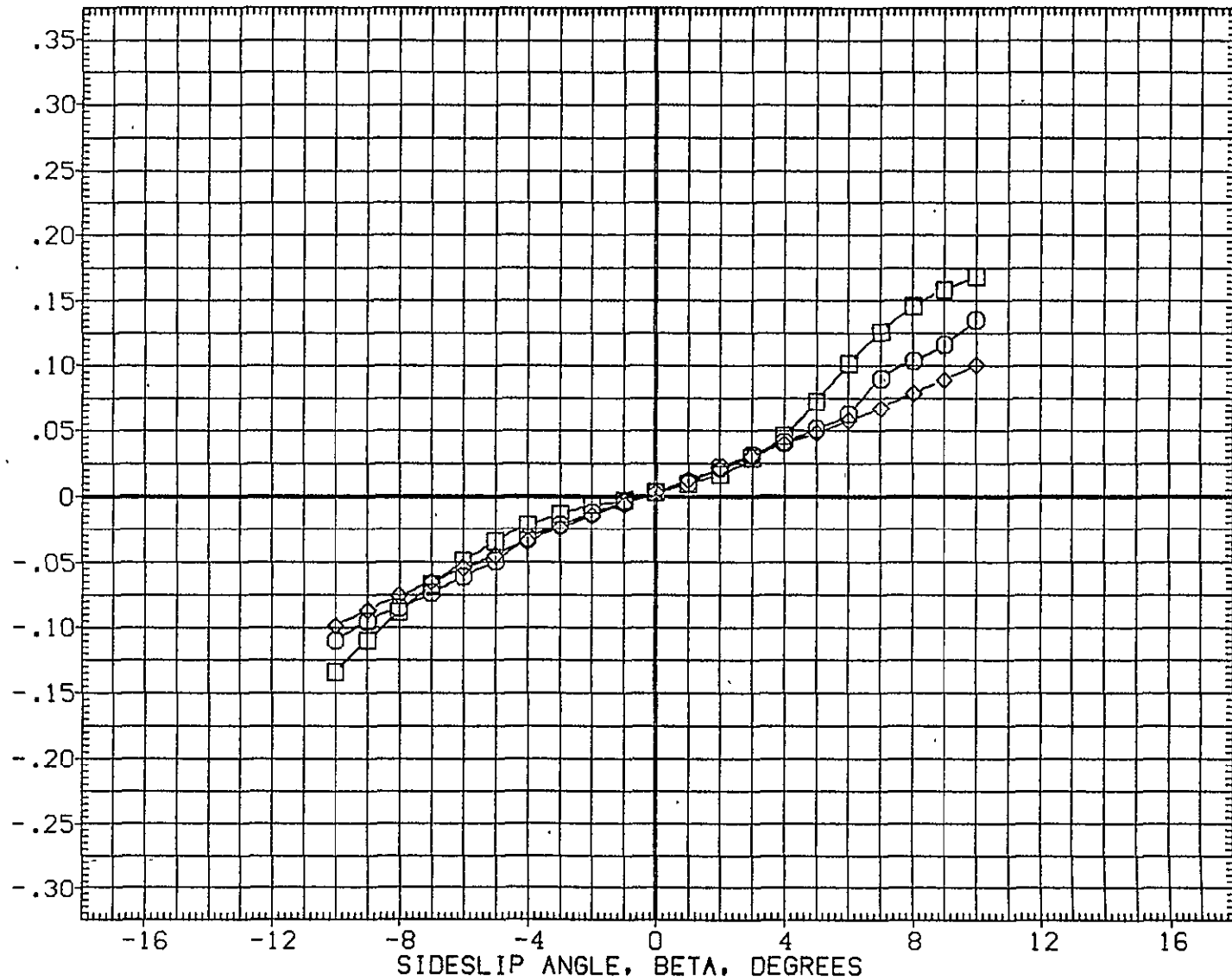


EFFECT OF BOTH SRB ENGINE PLUMES ON 0/ET AERO. CHARACT. (SRB POS 3.3)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RT0067)	○ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	3.300	1500.000	1.400	.000	SREF	2690.0000 SQ.FT.
(ATL055)	□ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	3.300	1500.000	1.400	.000	LREF	1290.3000 IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

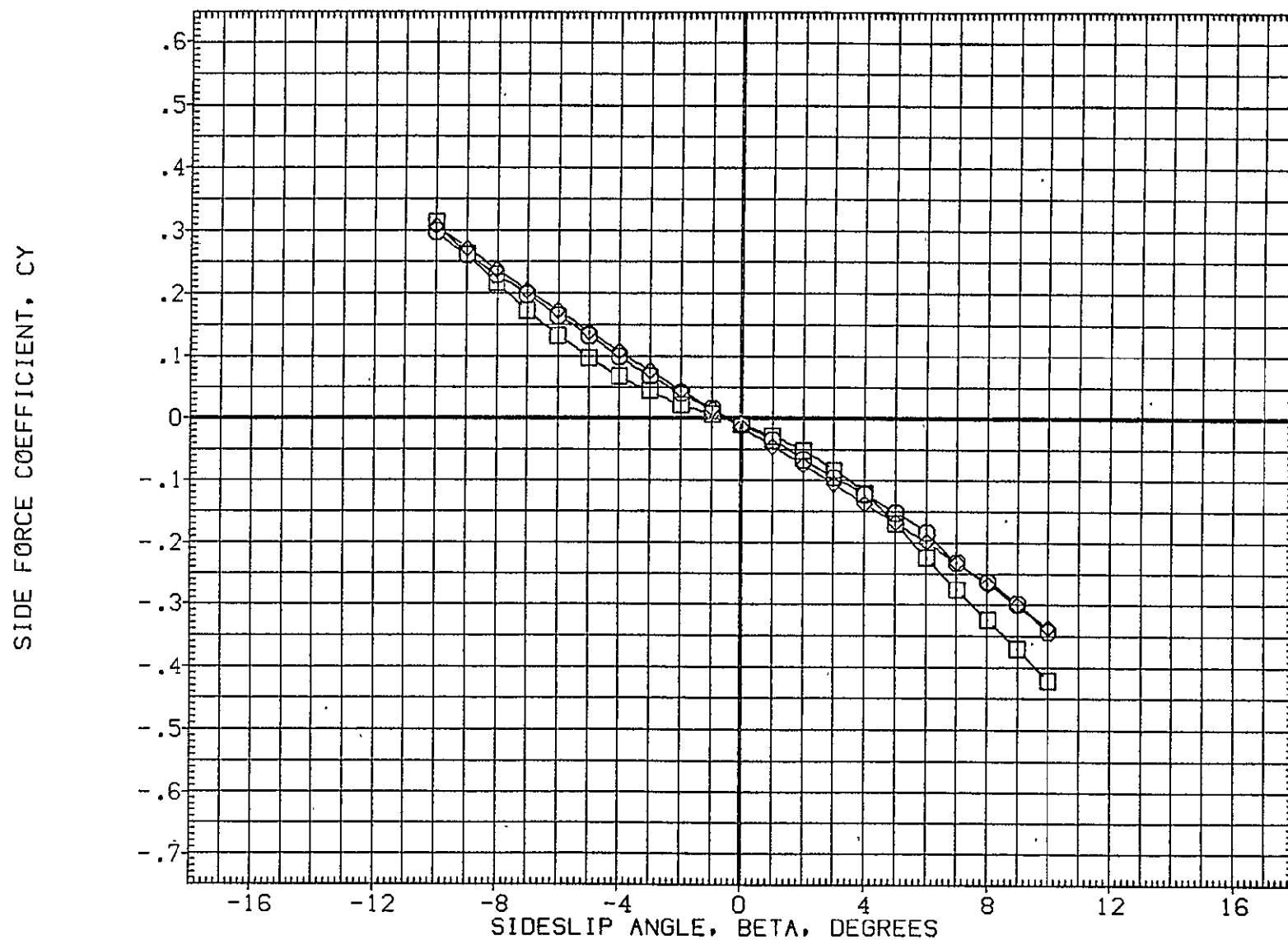


EFFECT OF BOTH SRB ENGINE PLUMES ON 0/ET AERO. CHARACT. (SRB POS 3.3)

(A)MACH = 4.50

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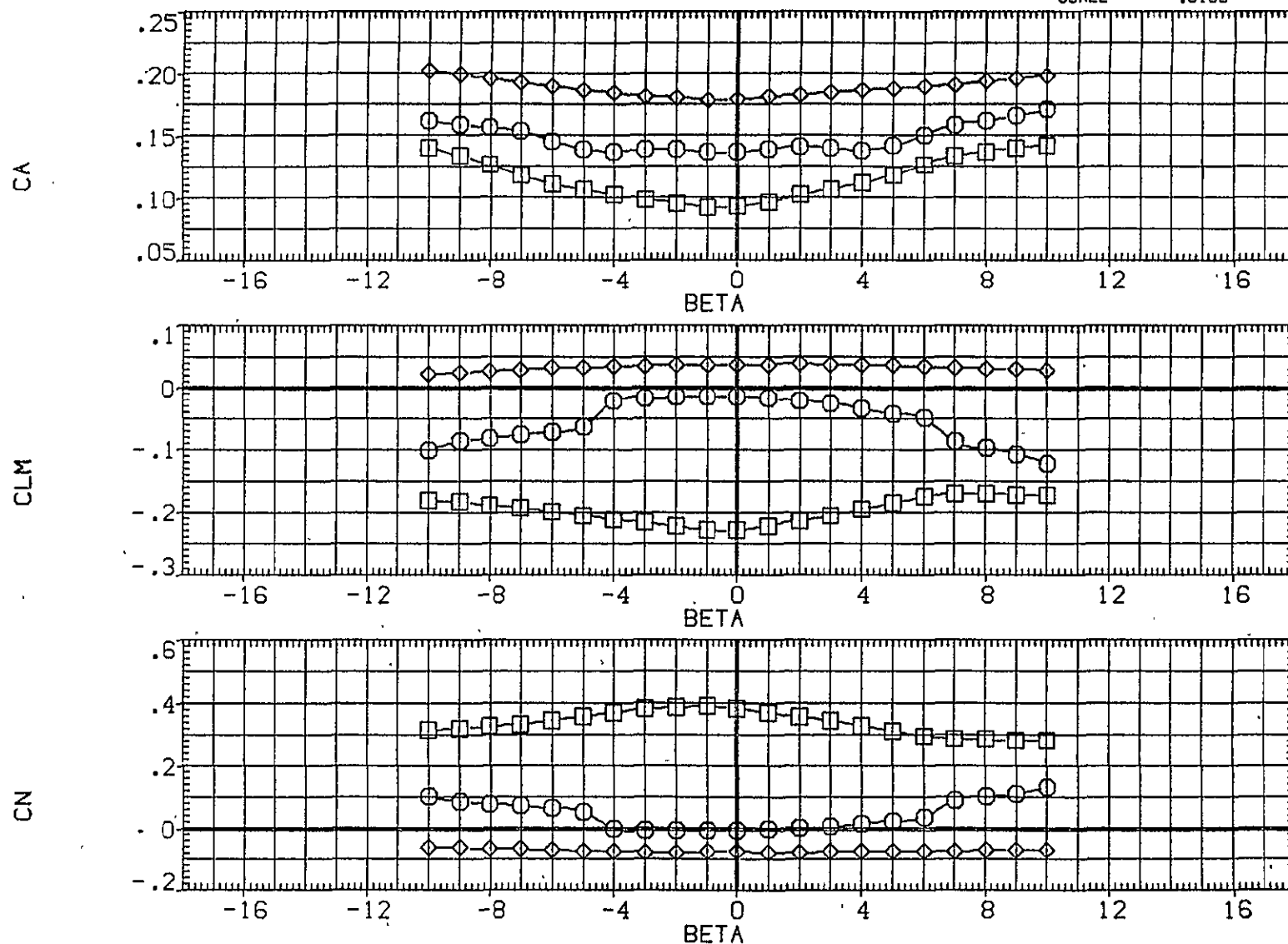
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RT0067)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRTNG)	3.300	1500.000	1.400	.000	SREF	2690.0000 SQ.FT.
(ATL055)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	3.300	1500.000	1.400	.000	LREF	1290.3000 IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100



EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 3.3)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0067)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	3.300	1500.000	1.400	.000	SREF	2690.0000	SQ.FT.
(ATL055)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	3.300	1500.000	1.400	.000	LREF	1290.3000	IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

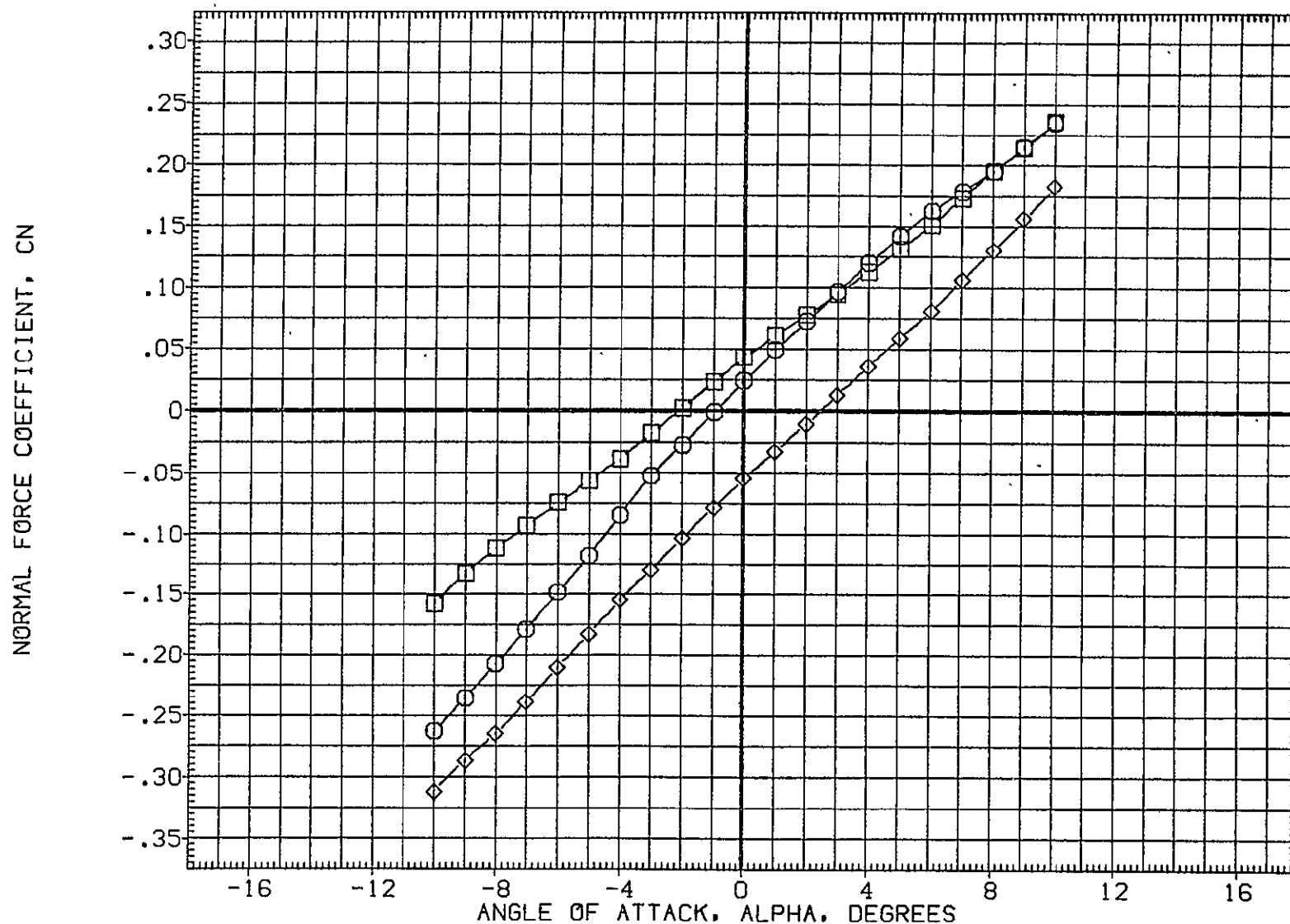


EFFECT OF BOTH SRB ENGINE PLUMES ON O/ET AERO. CHARACT. (SRB POS 3.3)

(A)MACH = 4.50

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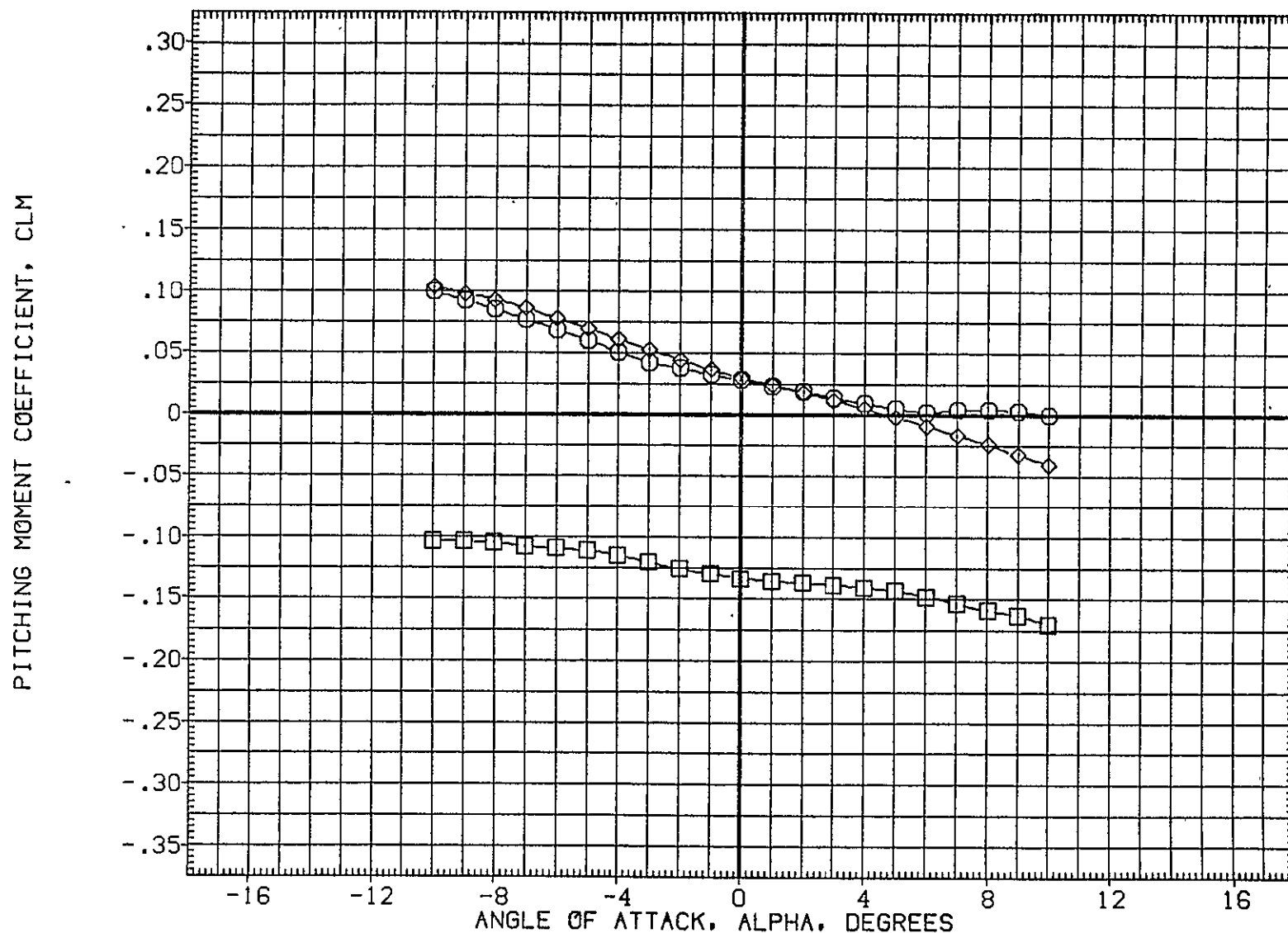
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(RT0015)	○ AEDC VA422 1A61 01ET1S1 0/ET (RGHT SRB SEPRNG)	.100	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATLO13)	□ AEDC VA-422(1A-57). 0RB/ET W/RIGHT SRB	.100	1500.000	1.760	.000	LREF	1290.3000 IN.
(ATLO01)	◇ AEDC VA-422(1A-57). ISOLATED 0RB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100



EFFECT OF ONLY ONE SRB ENGINE PLUME ON 0/ET AERO CHARACT. (SRB POS. 0.1)

(A)MACH = 4.50

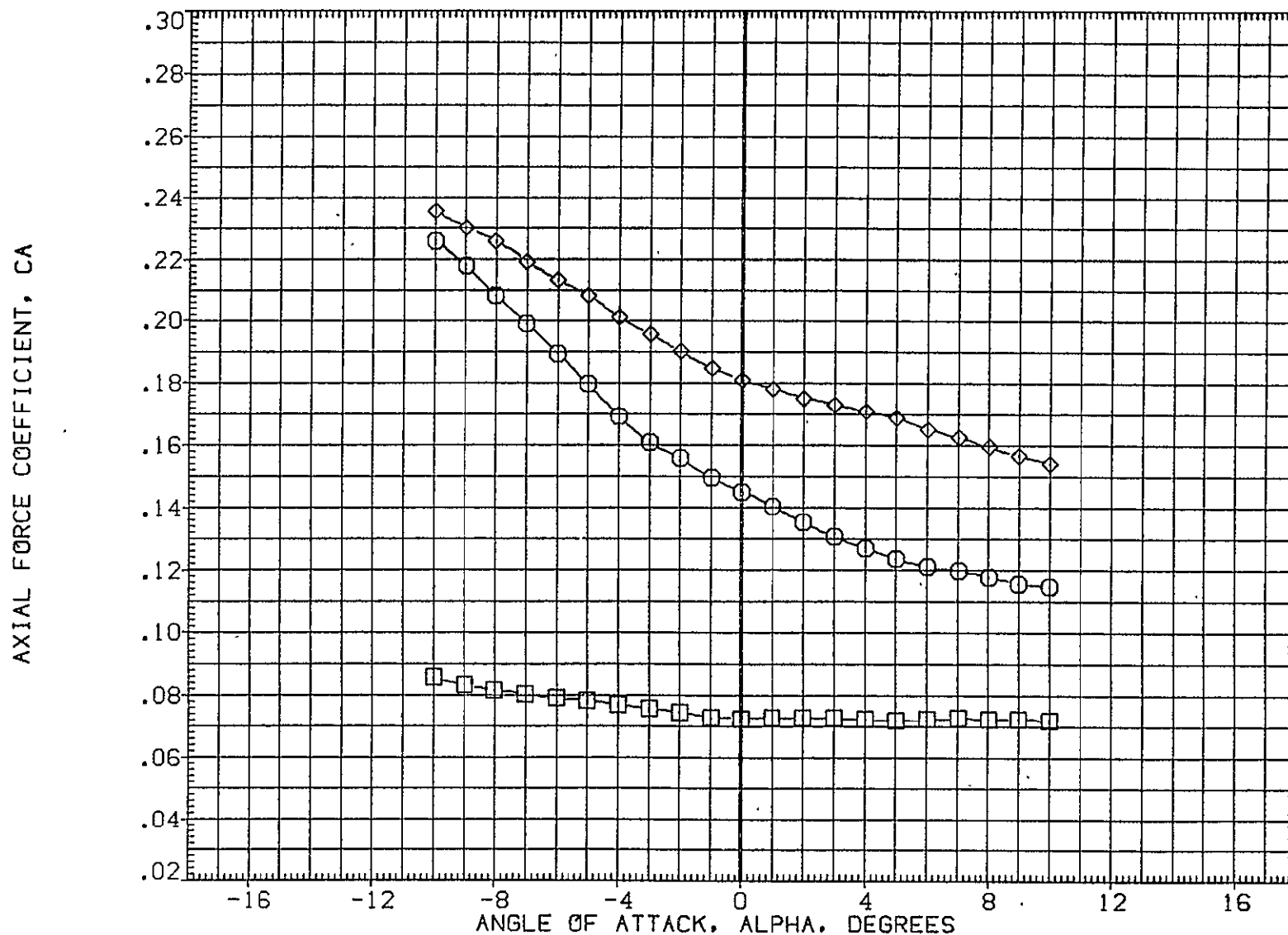
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(RT0015)	AEDC VA422 1A61 01ET1S1 0/ET (RGHT SRB SEPRNG)	.100	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATL013)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.100	1500.000	1.760	.000	LREF 1290.3000 IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.YT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100



EFFECT OF ONLY ONE SRB ENGINE PLUME ON 0/ET AERO CHARACT. (SRB POS. 0.1)

(A)MACH = 4.50

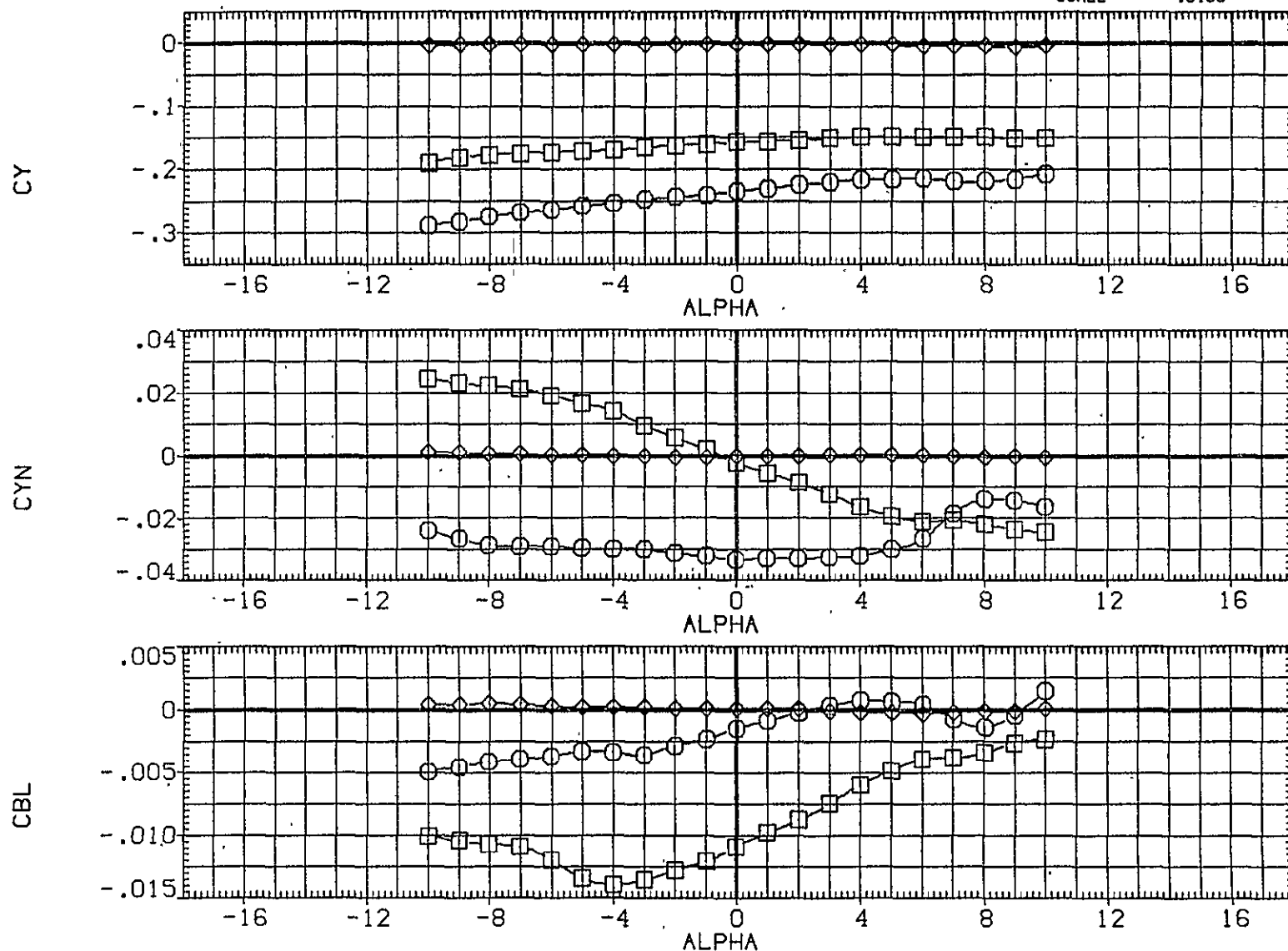
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(RT0015)	○ AEDC VA422 1A61 01ET1S1 O/ET (RGHT SRB SEPRNG)	.100	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATL013)	□ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.100	1500.000	1.760	.000	LREF 1290.3000 IN.
(ATL001)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XY
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100



EFFECT OF ONLY ONE SRB ENGINE PLUME ON O/ET AERO CHARACT. (SRB POS. 0.1)

(A)MACH = 4.50

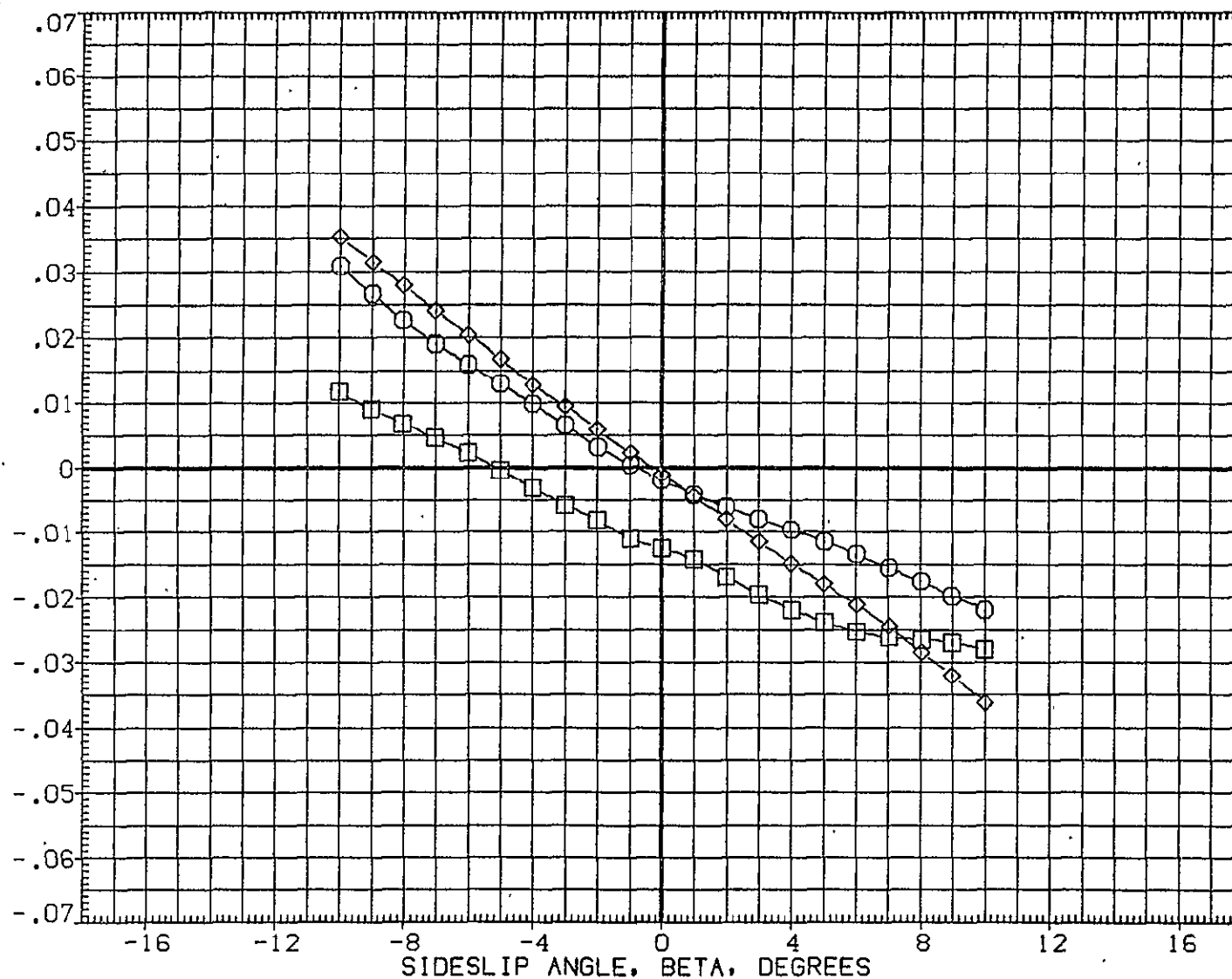
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS - PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0015)	AEDC VA422 1A61 01ET1S1 0/ET (RGHT SRB SEPRNG)	.100 1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL013)	AEDC VA-422(1A-57), 0RB/ET W/RIGHT SRB	.100 1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED 0RB/ET		1.760	.000	BREF	1290.3000	IN.
					XMRP	1052.0000	IN.XT
					YMRP	.0000	IN.YT
					ZMRP	447.0000	IN.ZT
					SCALE	.0100	



EFFECT OF ONLY ONE SRB ENGINE PLUME ON O/ET AERO CHARACT. (SRB POS. 0.1)
 (A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBP05	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RTQ016)	□ AEDC VA422 IA61 01ET1S1 O/ET (RGHT SRB SEPRNG)	.100	1500.000	1.760	.000	SREF	2690.0000	50.FT.
(ATL014)	◇ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.100	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

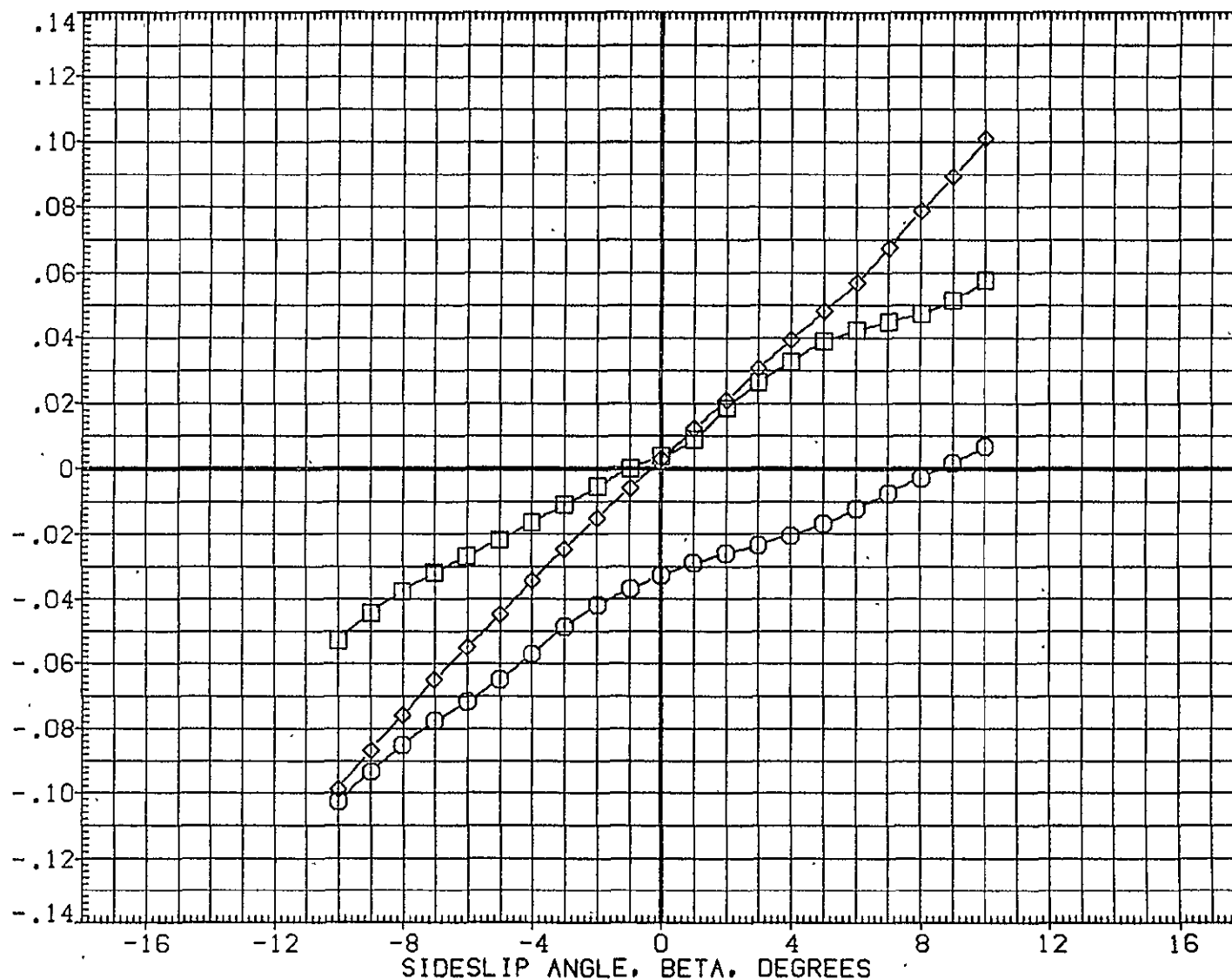


EFFECT OF ONLY ONE SRB ENGINE PLUME ON O/ET AERO CHARACT. (SRB POS. 0.1)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0016)	○ AEDC VA422 1A61 01ET151 O/ET (RGHT SRB SEPRNG)	.100	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL014)	□ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.100	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

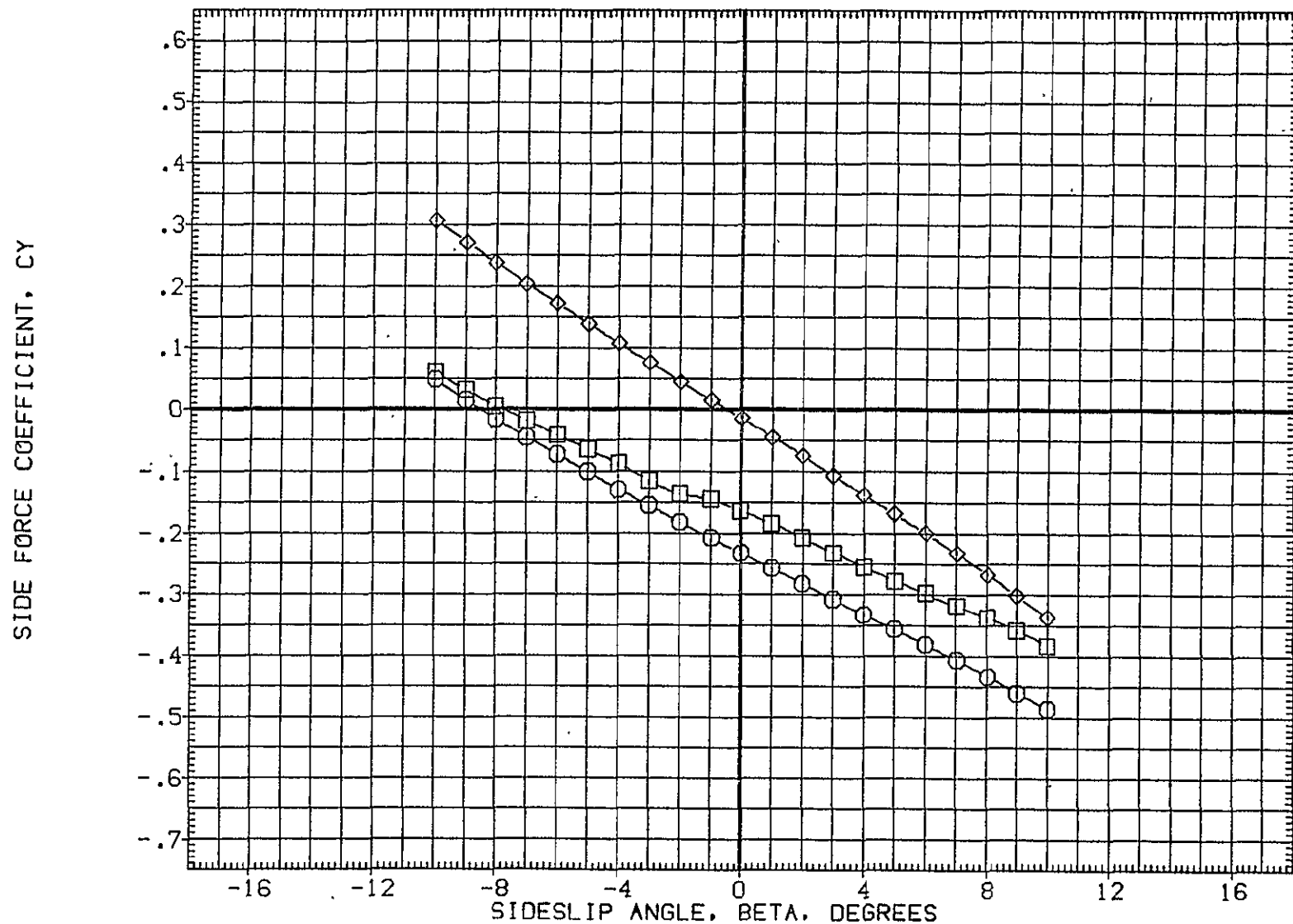


EFFECT OF ONLY ONE SRB ENGINE PLUME ON O/ET AERO CHARACT. (SRB POS. 0.1)

(A)MACH = 4.50

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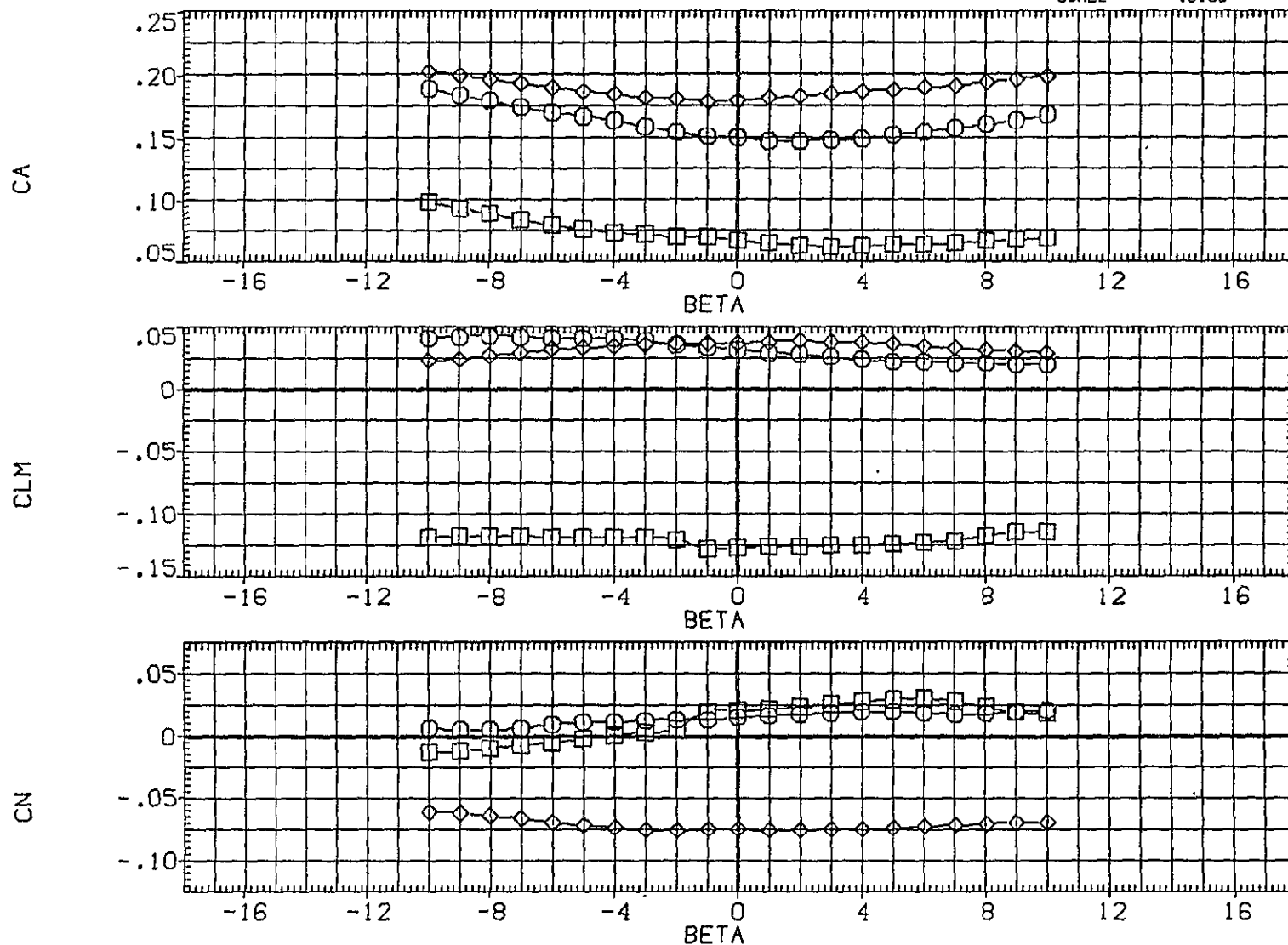
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0016)	○ AEDC VA422 1A61 01ET1S1 O/ET (RGHT SRB SEPRNG)	.100	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL014)	□ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.100	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF ONLY ONE SRB ENGINE PLUME ON O/ET AERO CHARACT. (SRB POS. 0.1)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RTQ016)	○ AEDC VA422 (A6) 01ET1S1 O/ET (RIGHT SRB SEPRNG)	.100	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATL014)	□ AEDC VA-422(1A-57). ORB/ET W/RIGHT SRB	.100	1500.000	1.760	.000	LREF	1290.3000 IN.
(ATL002)	◇ AEDC VA-422(1A-57). ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

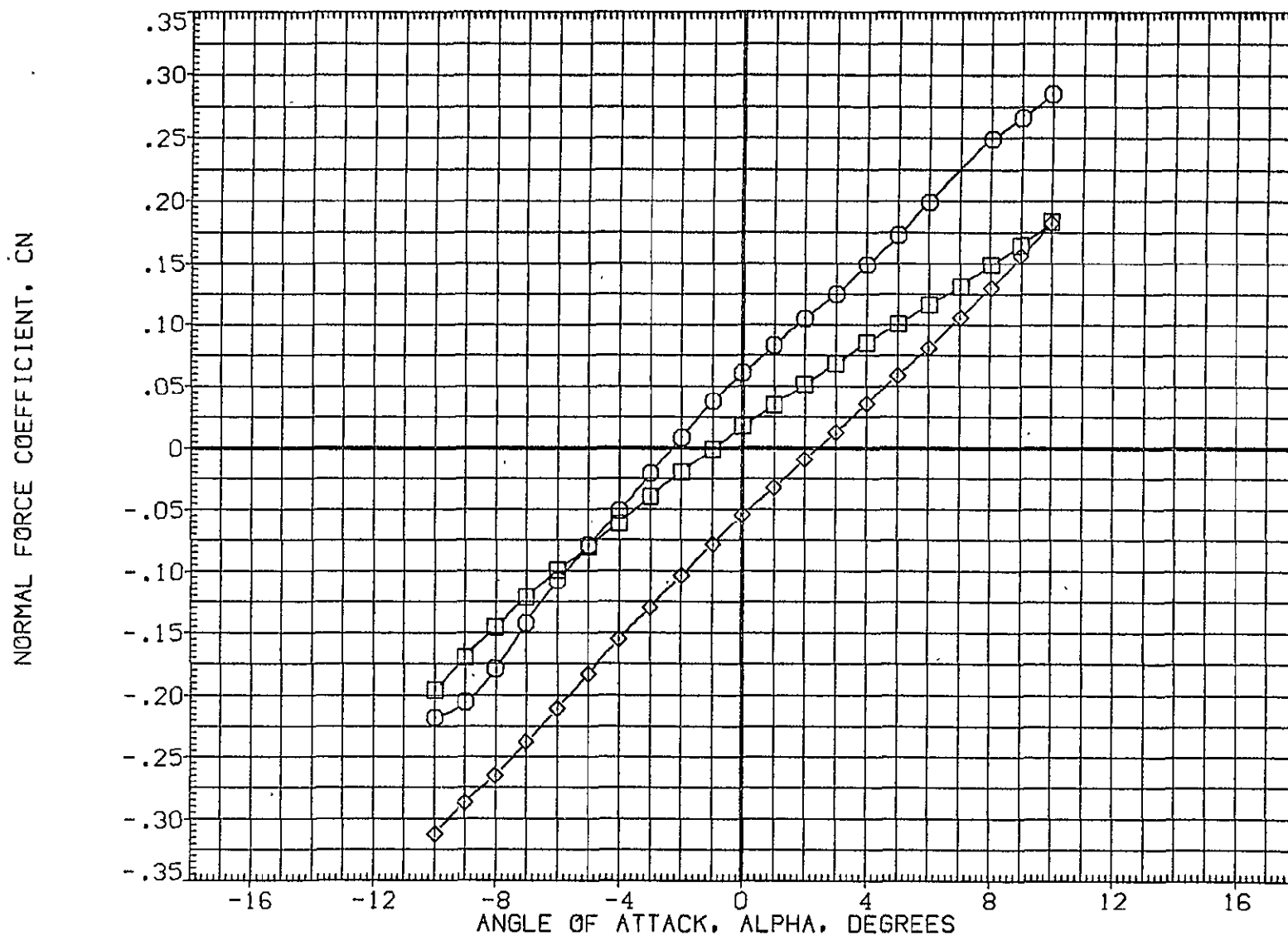


EFFECT OF ONLY ONE SRB ENGINE PLUME ON O/ET AERO CHARACT. (SRB POS. 0.1)

(A)MACH = 4.50

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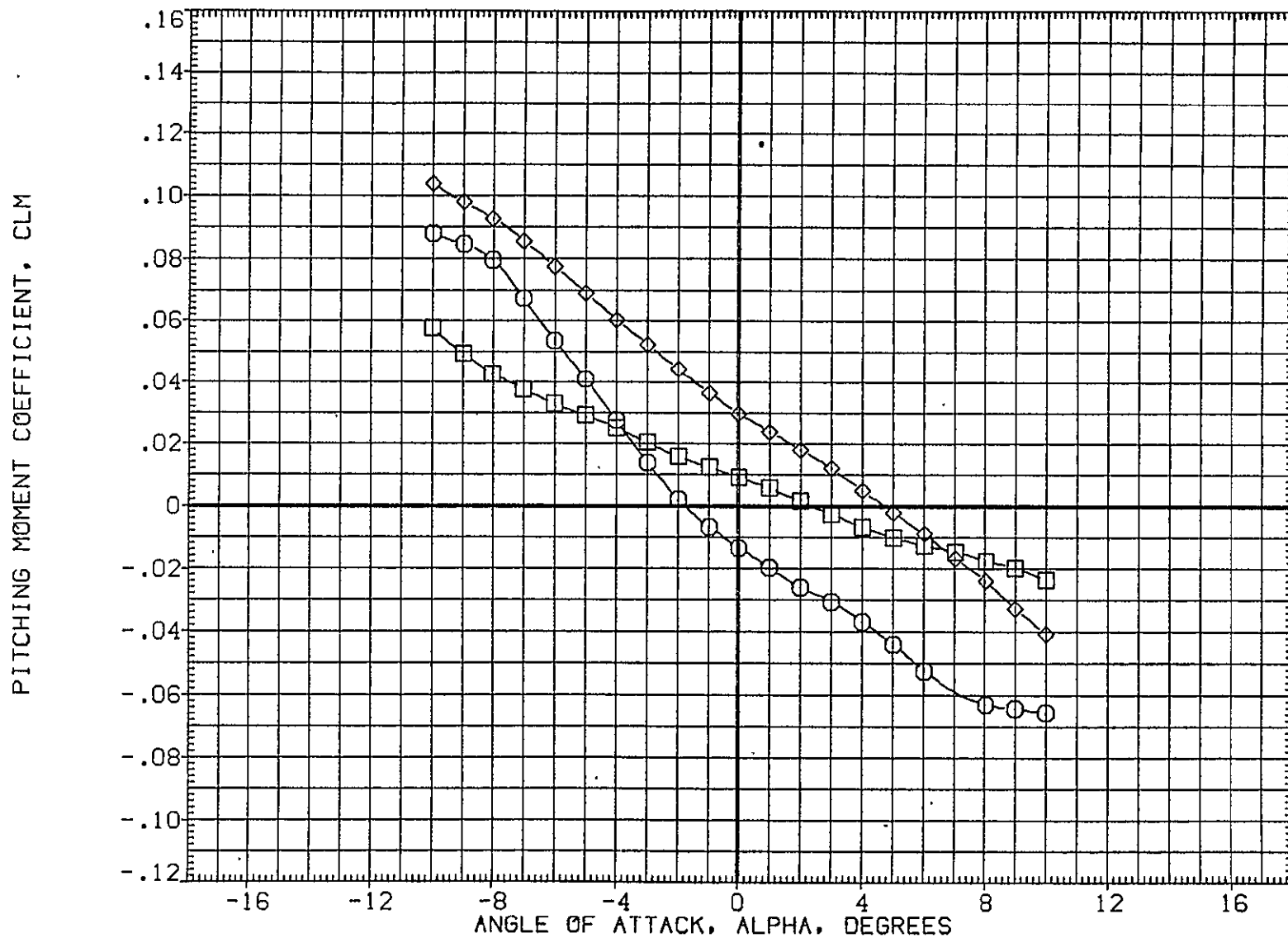
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(ATQ017)	○ AEDC VA422 (A6) 01ET1S1 0/ET (RGHT SRB SEPRNG)	.200	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATL021)	□ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.200	1500.000	1.760	.000	LREF	1290.3000 IN.
(ATL001)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100



EFFECT OF ONLY ONE SRB ENGINE PLUME ON 0/ET AERO CHARACT. (SRB POS. 0.2)

(A)MACH = 4.50

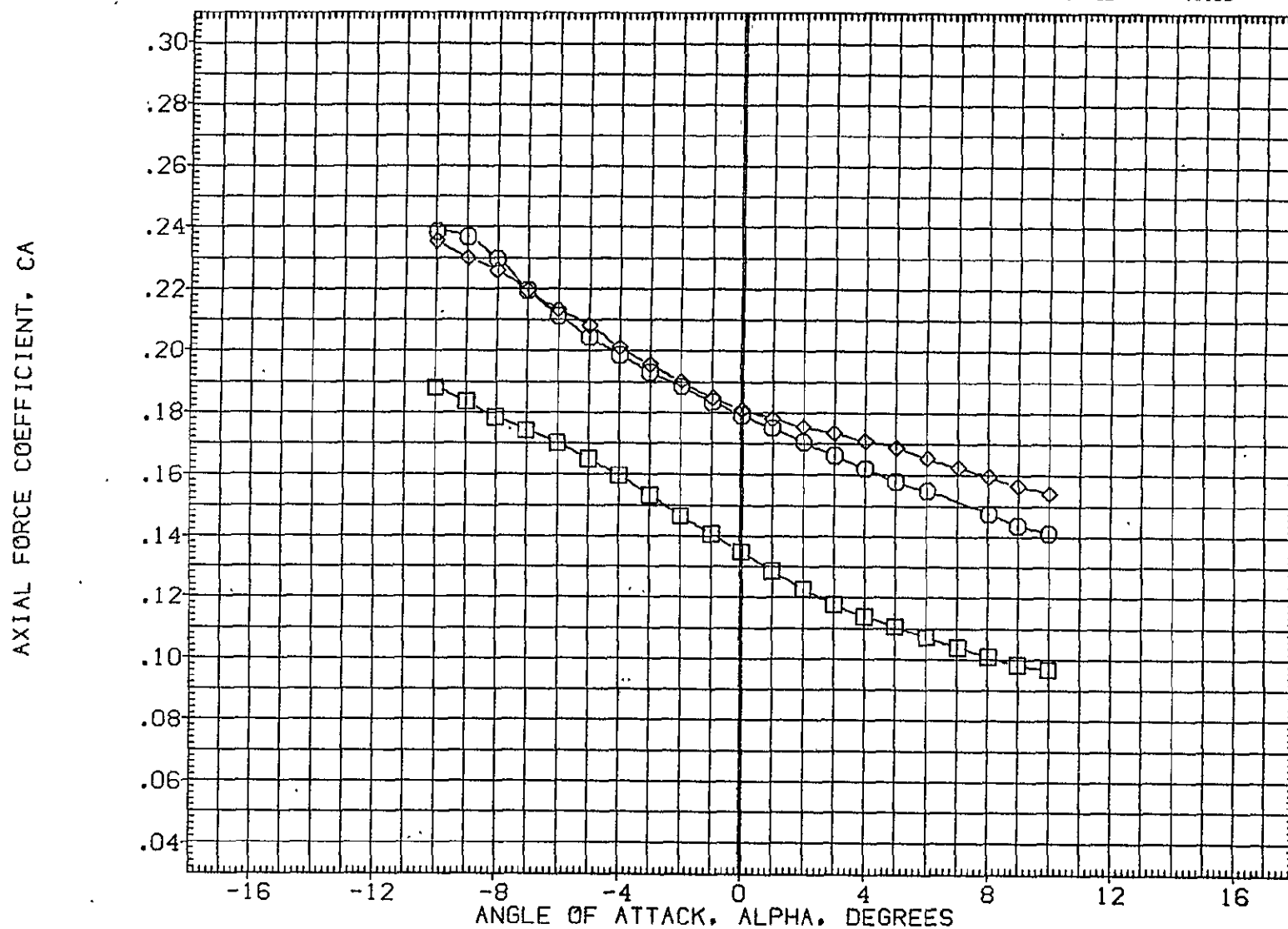
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(ATQ017)	AECC VA422 1A61 01ET1S1 0/ET (RIGHT SRB SEPRNG)	.200	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL021)	AECC VA-422(1A-57), ORB/ET W/RIGHT SRB	.200	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL001)	AECC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF ONLY ONE SRB ENGINE PLUME ON 0/ET AERO CHARACT. (SRB POS. 0.2)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBP0S	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(ATQ017)	□ AEDC VA422 (A61 01ET1S1) O/ET (RGHT SRB SEPRING)	.200	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATL021)	◇ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.200	1500.000	1.760	.000	LREF	1290.3000 IN.
(ATL001)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100



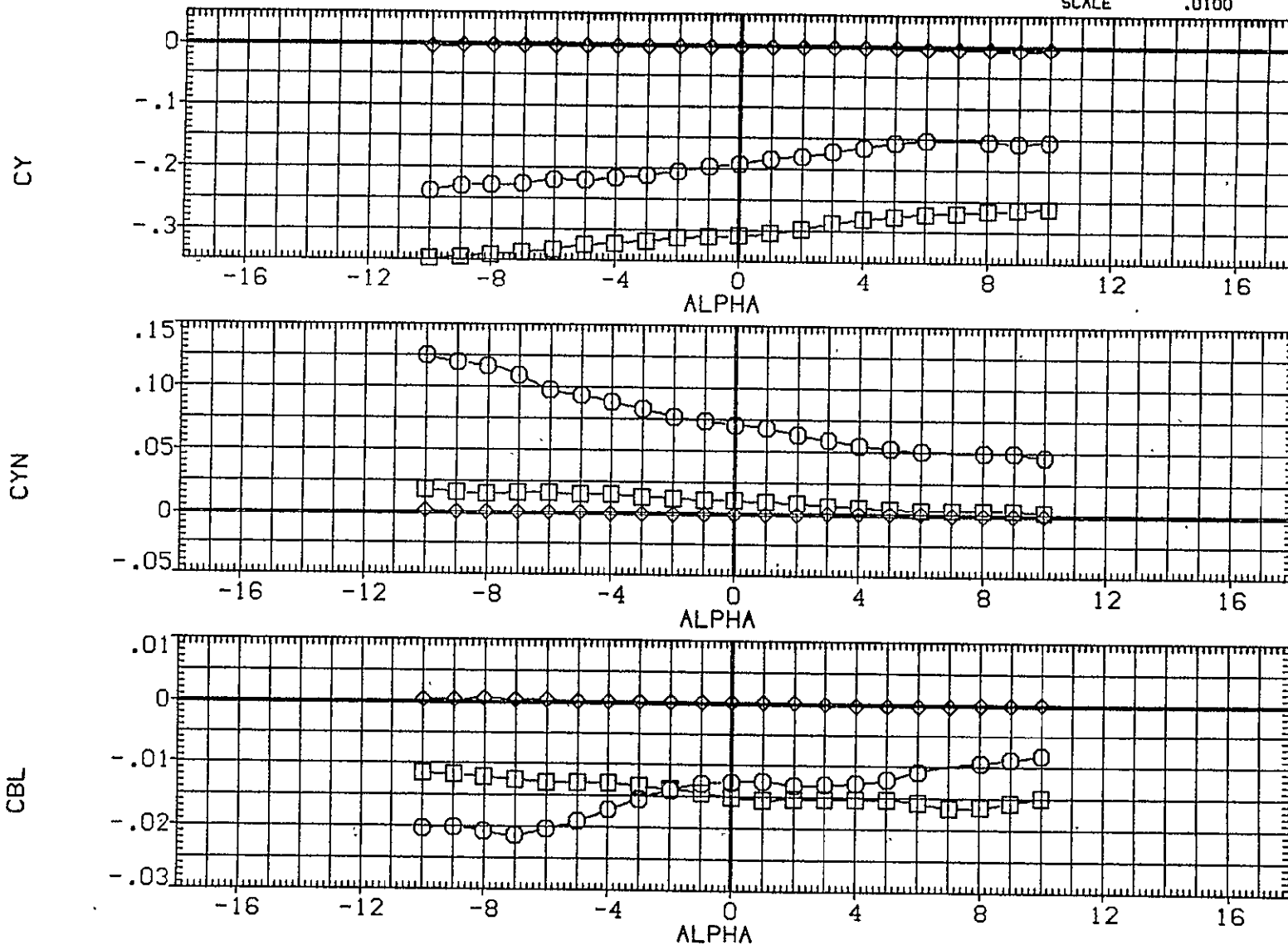
EFFECT OF ONLY ONE SRB ENGINE PLUME ON O/ET AERO CHARACT. (SRB POS. 0.2)

(A)MACH = 4.50

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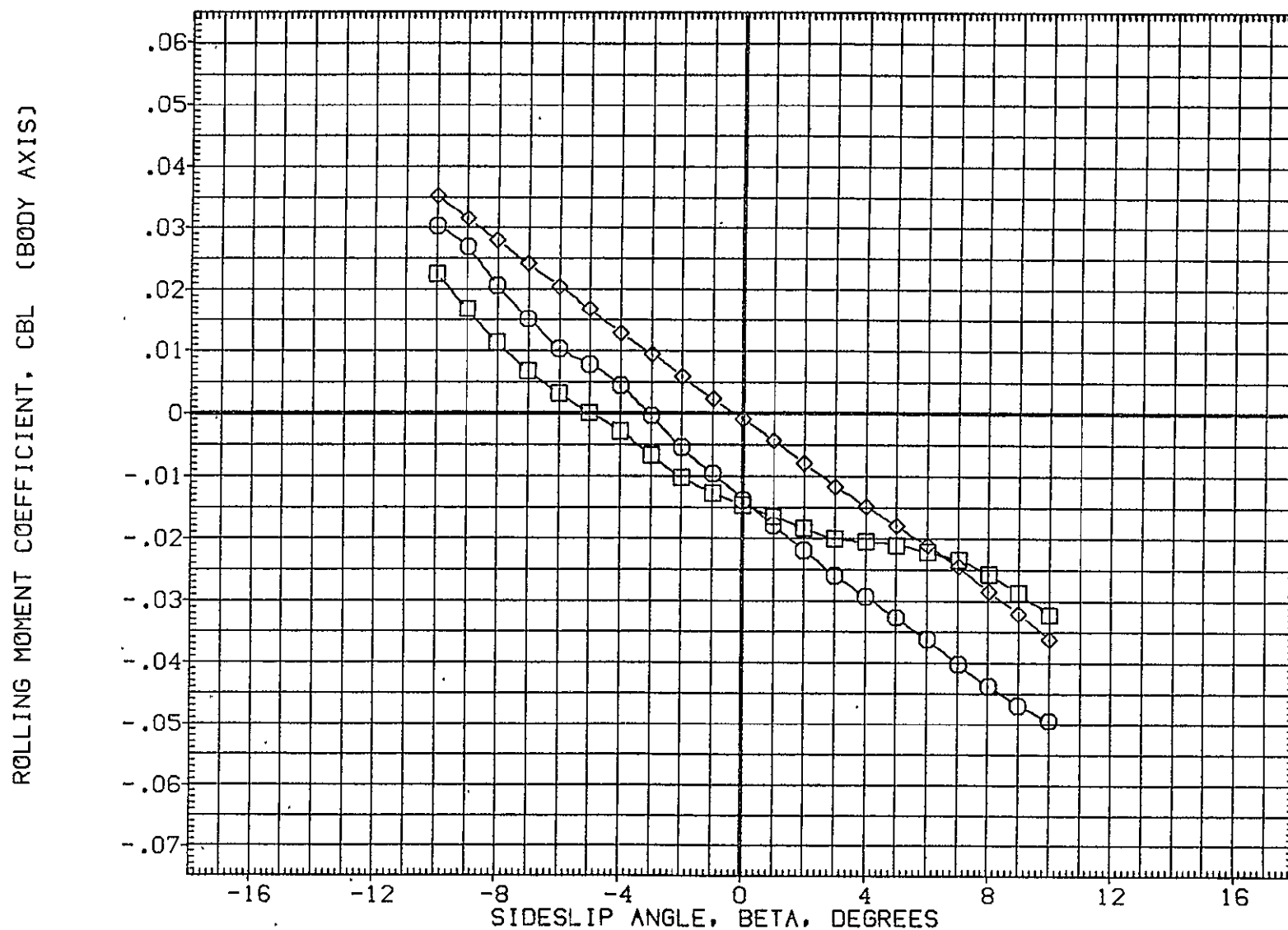
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(AT0017)	AEDC VA422 1A61 01ET1S1 O/ET (RGHT SRB SEPRNG)	.200	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATL021)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.200	1500.000	1.760	.000	LREF	1290.3000 IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100



EFFECT OF ONLY ONE SRB ENGINE PLUME ON O/ET AERO CHARACT. (SRB POS. 0.2)

(A)MACH = 4.50

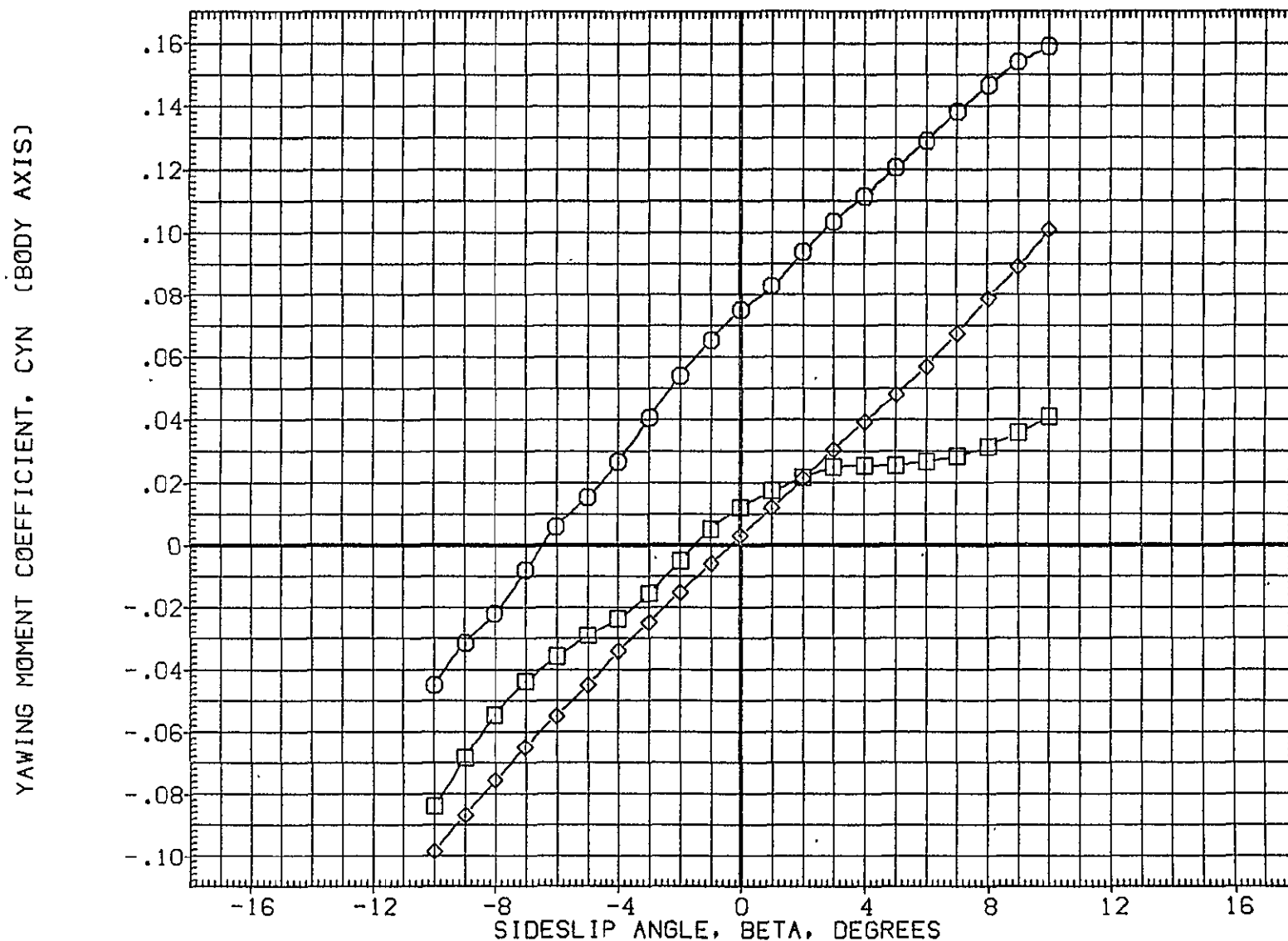
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0019)	○ AEDC VA422 1A61 01ET1S1 0/ET (RGHT SRB SEPRNG)	.200	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL022)	□ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.200	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF ONLY ONE SRB ENGINE PLUME ON 0/ET AERO CHARACT. (SRB POS. 0.2)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0018)	□ AEDC VA422 (A61 01ET1S1 0/ET (RGHT SRB SEPRNG)	.200	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL022)	◇ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.200	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

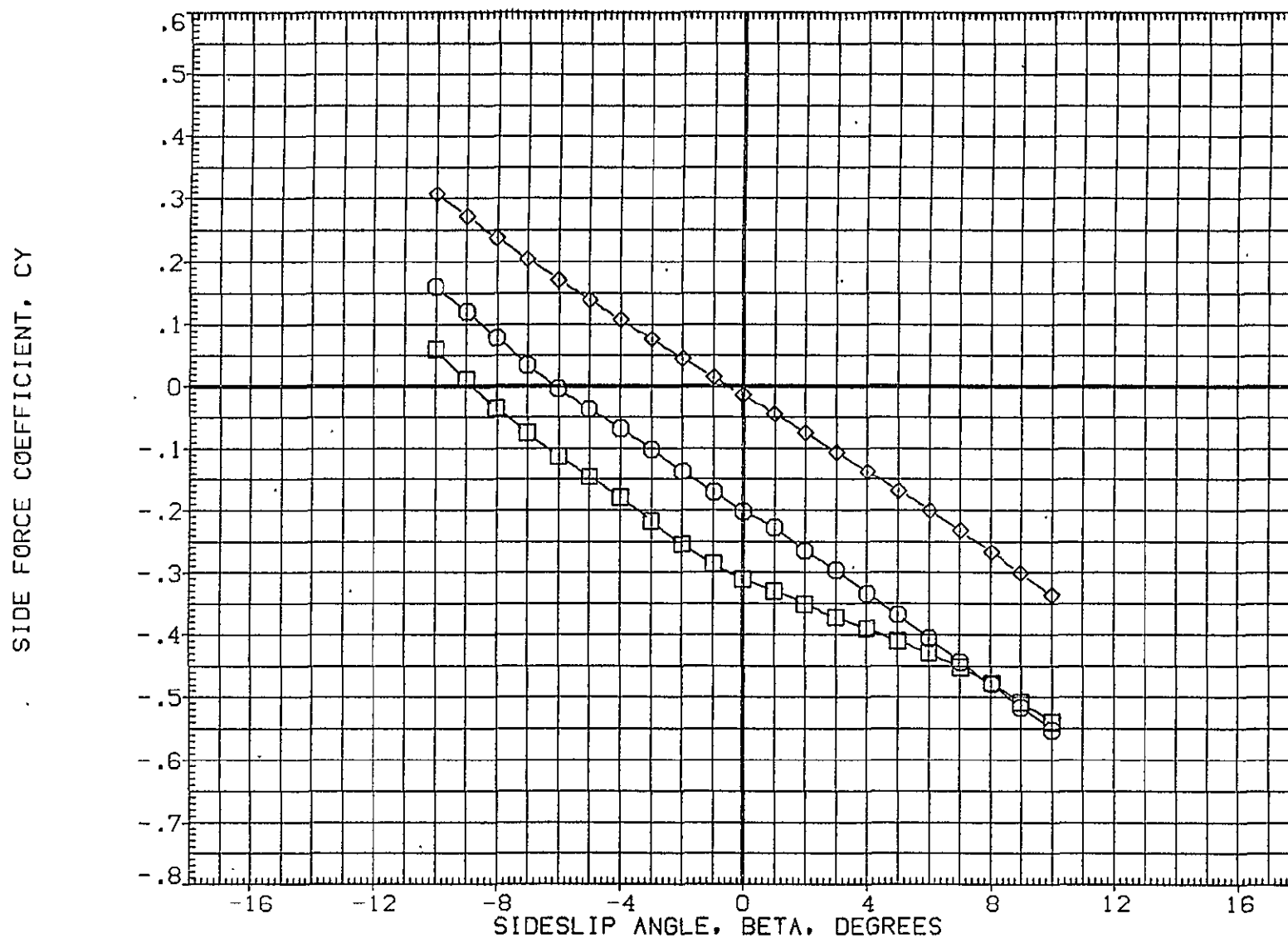


EFFECT OF ONLY ONE SRB ENGINE PLUME ON O/ET AERO CHARACT. (SRB POS. 0.2)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0018)	○ AEDC VA422 IA61 01ET1S1 O/ET (RGHT SRB SEPRNG)	.200	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL022)	□ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.200	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

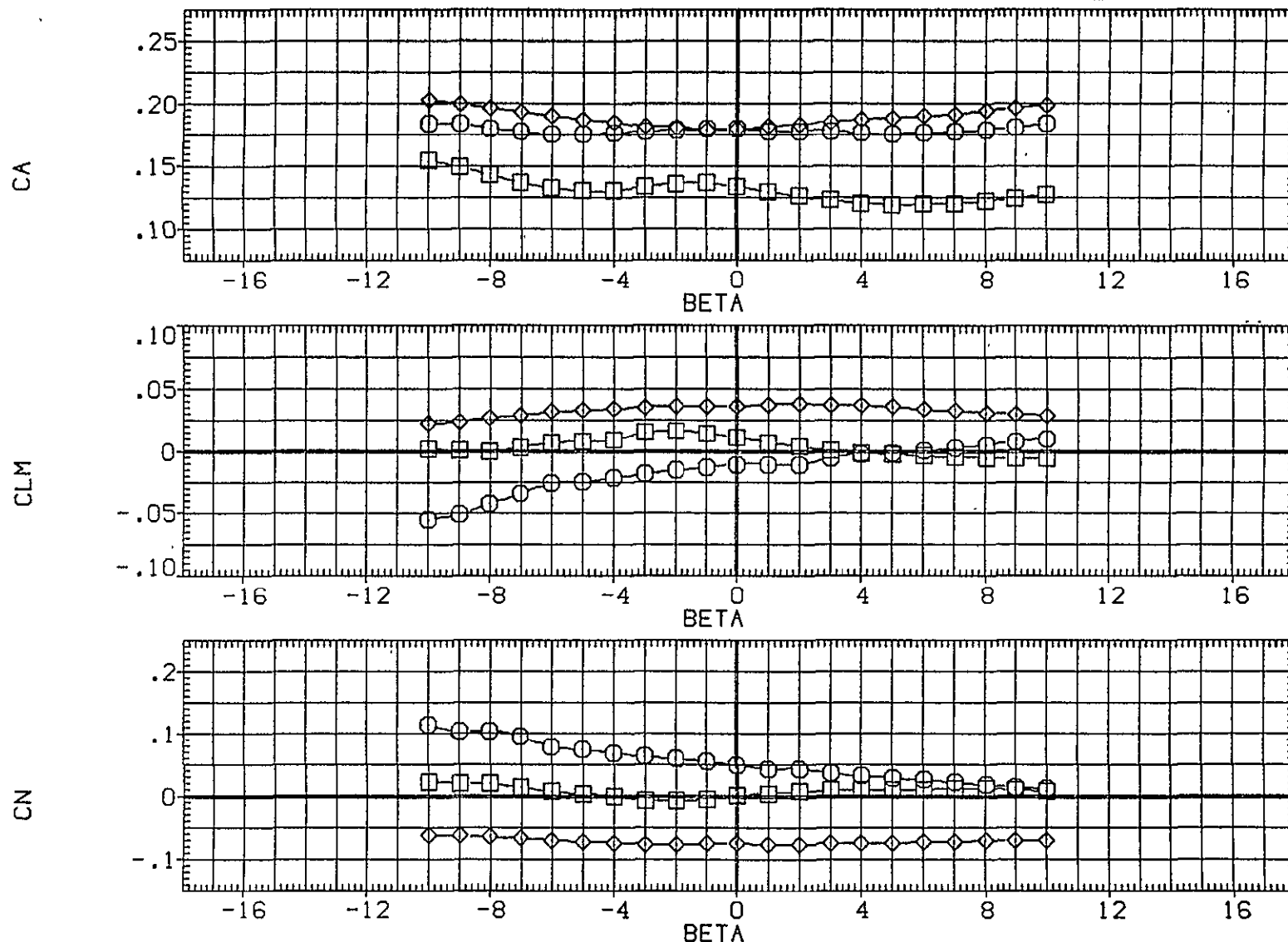


EFFECT OF ONLY ONE SRB ENGINE PLUME ON O/ET AERO CHARACT. (SRB POS. 0.2)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RTQ018)	AEDC VA422 1A61 01ET1S1 0/ET (RGHT SRB SEPRNG)	.200	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL022)	AEDC VA-422(1A-57), 0RB/ET W/RIGHT SRB	.200	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED 0RB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

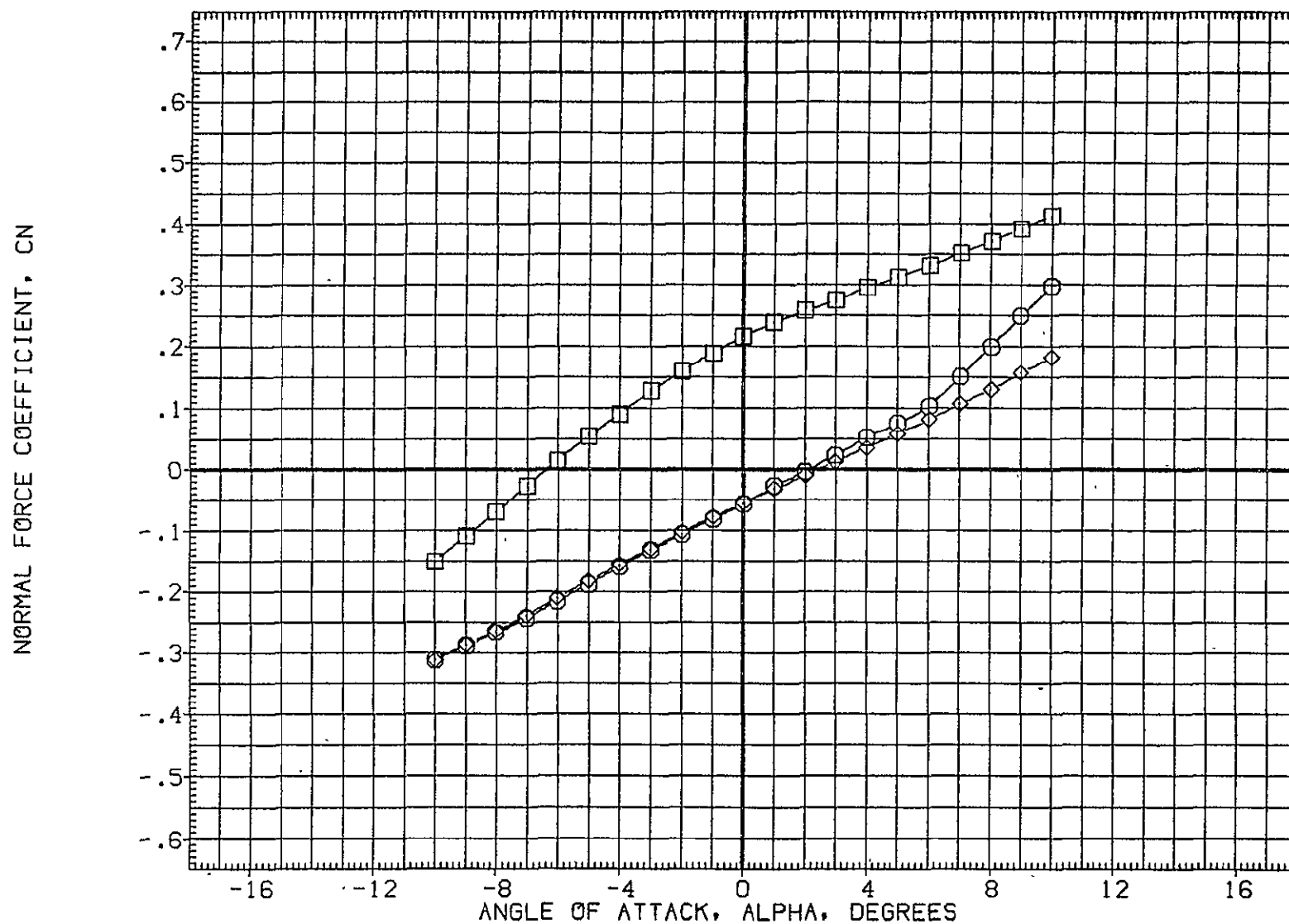


EFFECT OF ONLY ONE SRB ENGINE PLUME ON O/ET AERO CHARACT. (SRB POS. 0.2)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(RT0020)	○ AEDC VA422 1A61 01ET1S1 0/ET (RGHT SRB SEPRNG)	.300	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATLO29)	□ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.300	1500.000	1.760	.000	LREF 1290.3000 IN.
(ATL001)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100



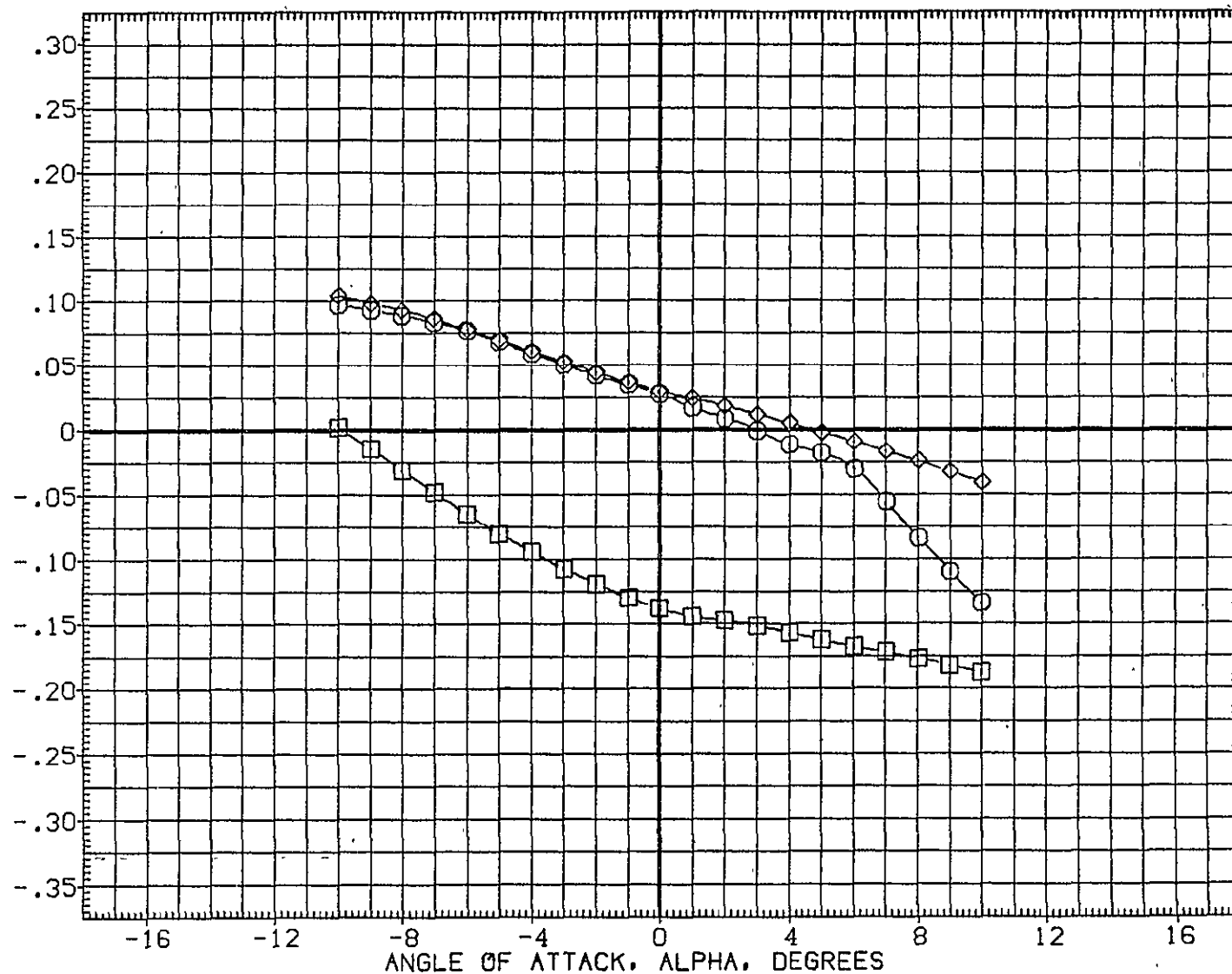
EFFECT OF ONLY ONE SRB ENGINE PLUME ON 0/ET AERO CHARACT. (SRB POS. 0.3)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(RT0020)	AEDC VA422 (A61 01ET1S1 O/ET (RIGHT SRB SEPRING))	.300	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATL029)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.300	1500.000	1.760	.000	LREF 1290.3000 IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100

PITCHING MOMENT COEFFICIENT, CLM

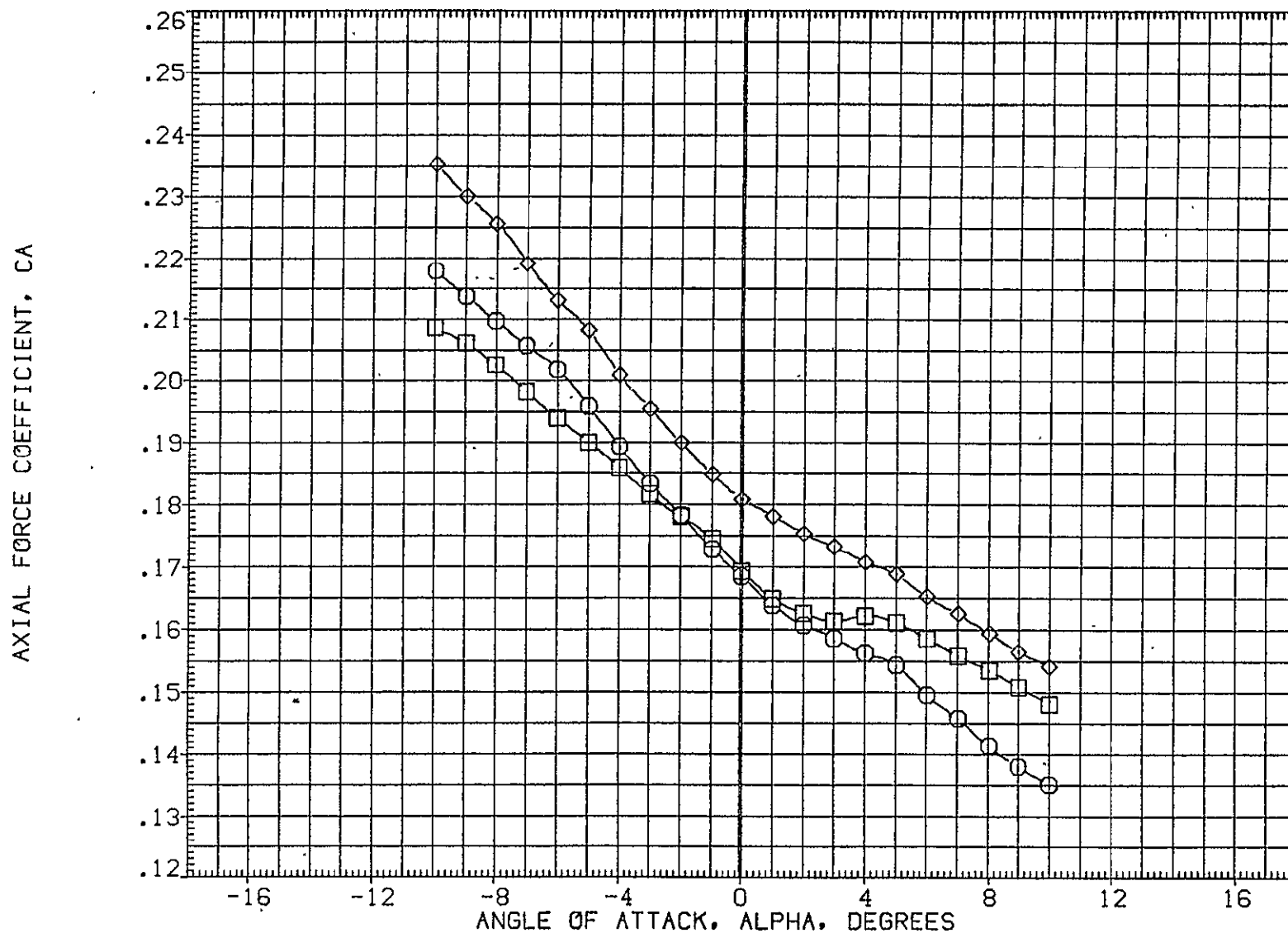


EFFECT OF ONLY ONE SRB ENGINE PLUME ON O/ET AERO CHARACT. (SRB POS. 0.3)

(A)MACH = 4.50

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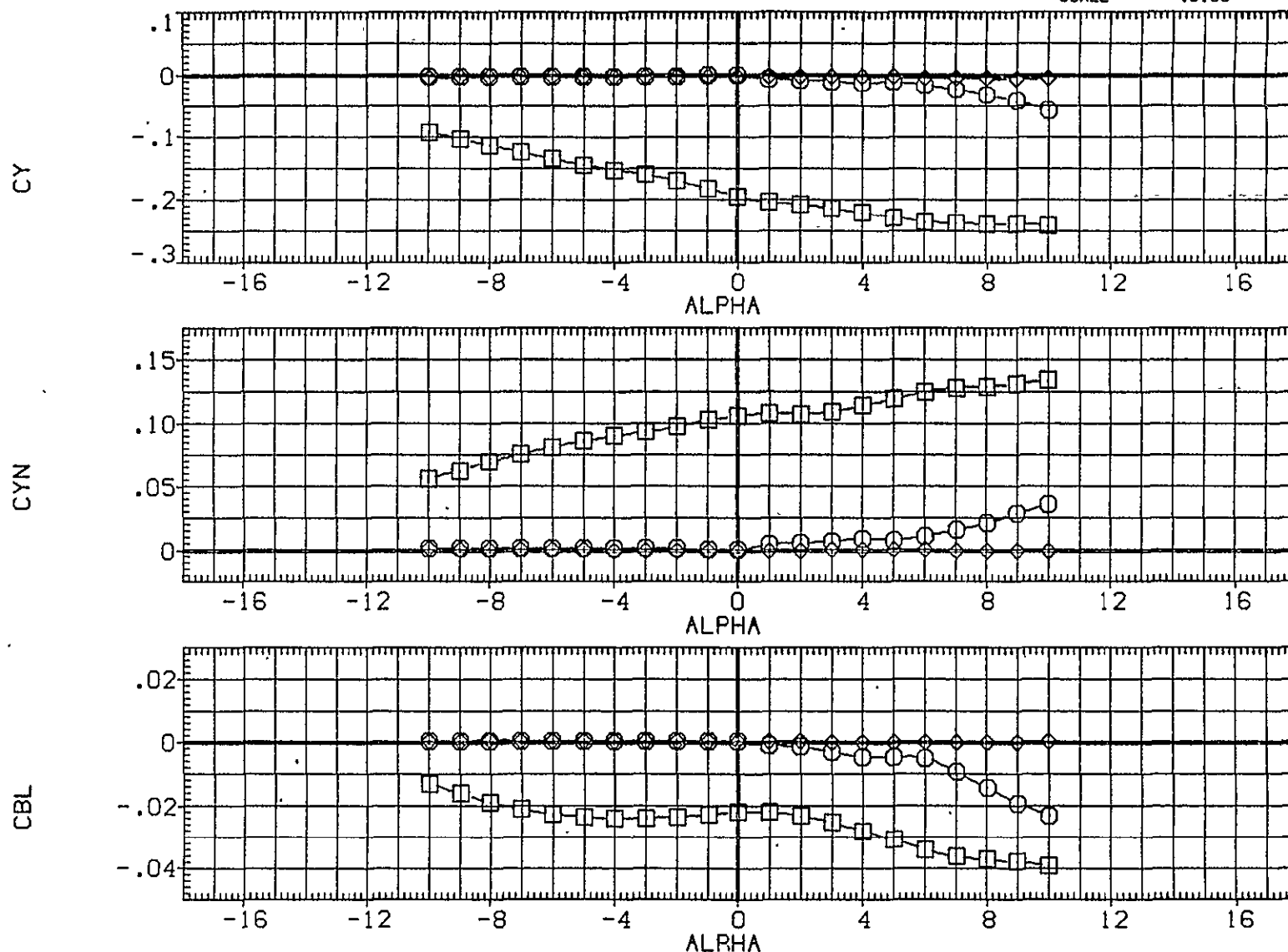
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0020)	○ AEDC VA422 1A61 01ET1S1 0/ET (RIGHT SRB SEPRNG)	.300	1500.000	1.760	.000	SREF	2690.0000	50.FT.
(ATL029)	□ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.300	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL001)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF ONLY ONE SRB ENGINE PLUME ON 0/ET AERO CHARACT. (SRB POS. 0.3)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0020)	AEDC VA422 1A61 01ET1S1 O/ET (RGHT SRB SEPRNG)	.300	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL029)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.300	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

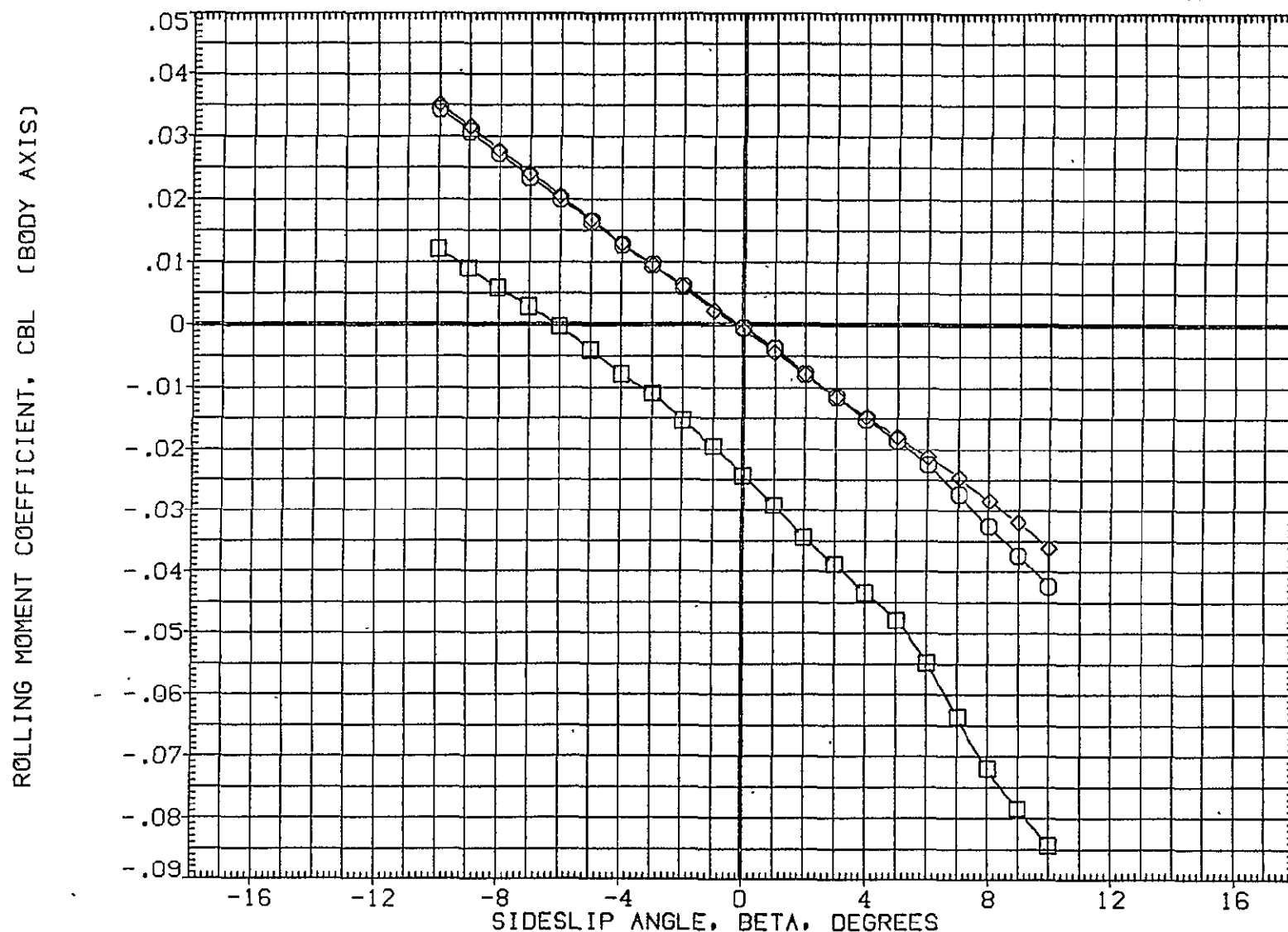


EFFECT OF ONLY ONE SRB ENGINE PLUME ON O/ET AERO CHARACT. (SRB POS. 0.3)

(A)MACH = 4.50

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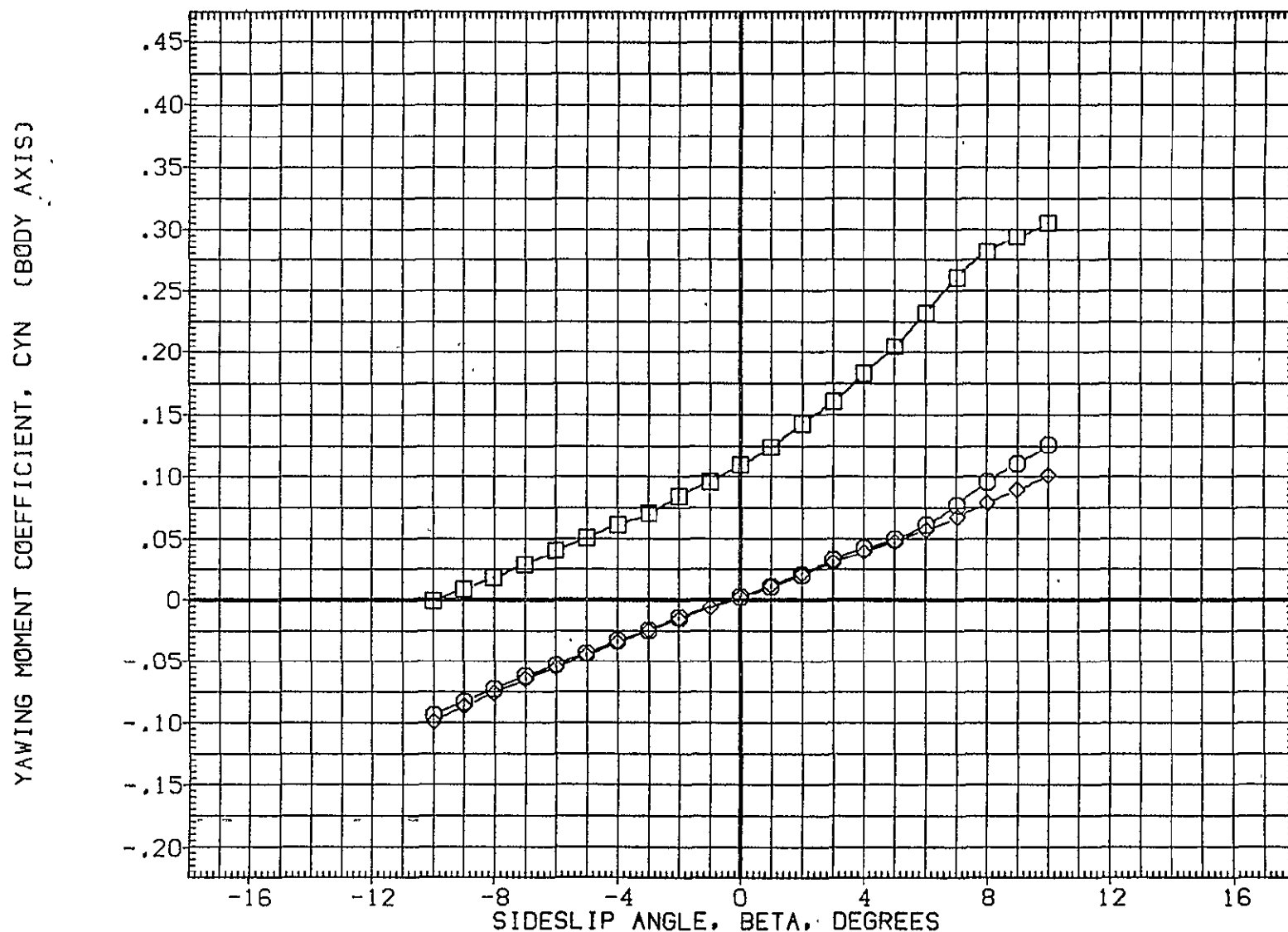
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(ATQ021)	○ AEDC VA422 1A61 01ET1S1 0/ET (RGHT SRB SEPRNG)	.300	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL030)	□ AEDC VA-422(1A-57), 0RB/ET W/RIGHT SRB	.300	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED 0RB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF ONLY ONE SRB ENGINE PLUME ON 0/ET AERO CHARACT. (SRB POS. 0.3)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(ATQ021)	AEDC VA422 (A61 01ET151 O/ET (RIGHT SRB SEPRNG)	.300	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL030)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.300	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

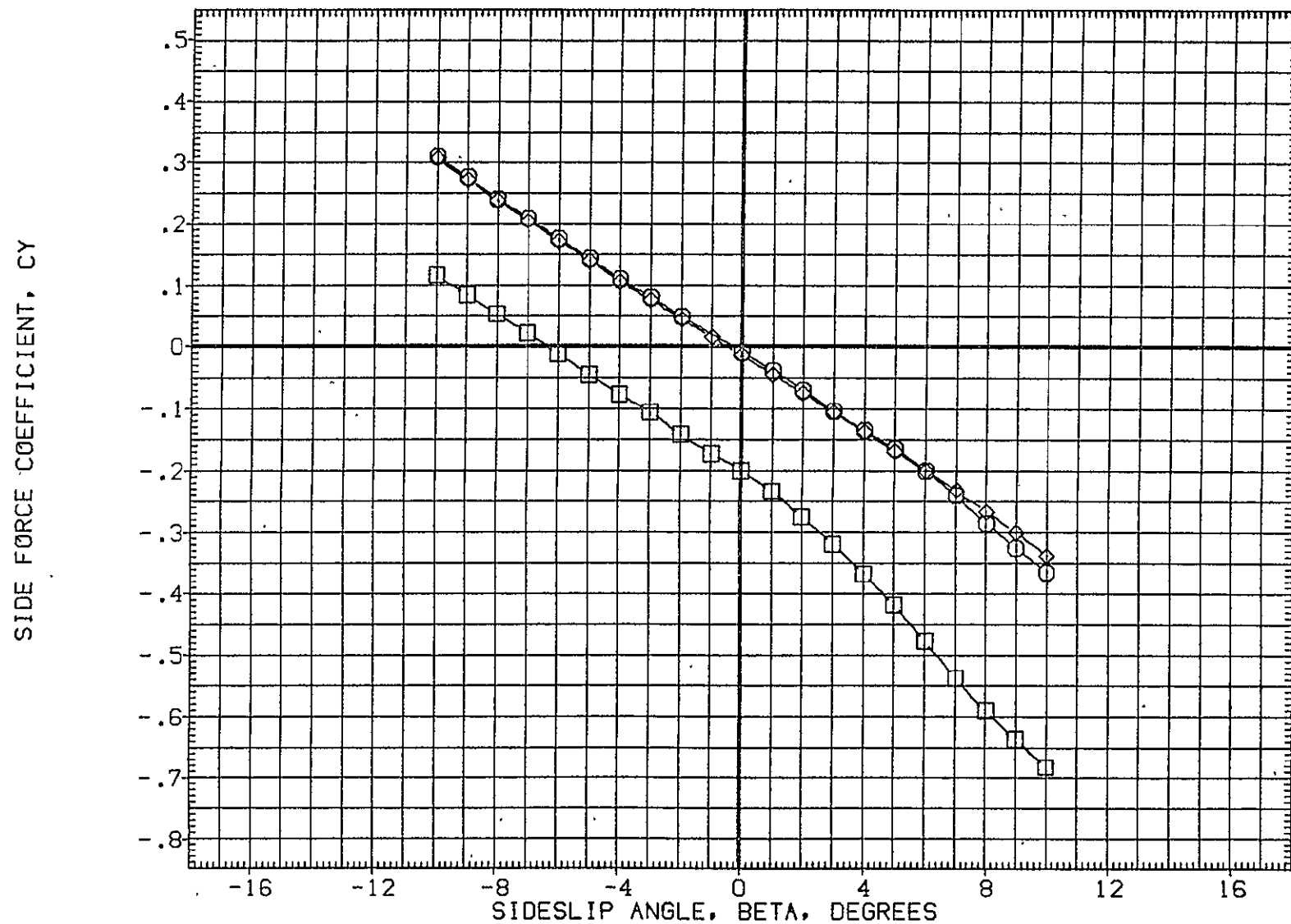


EFFECT OF ONLY ONE SRB ENGINE PLUME ON O/ET AERO CHARACT. (SRB POS. 0.3)

(A)MACH = 4.50

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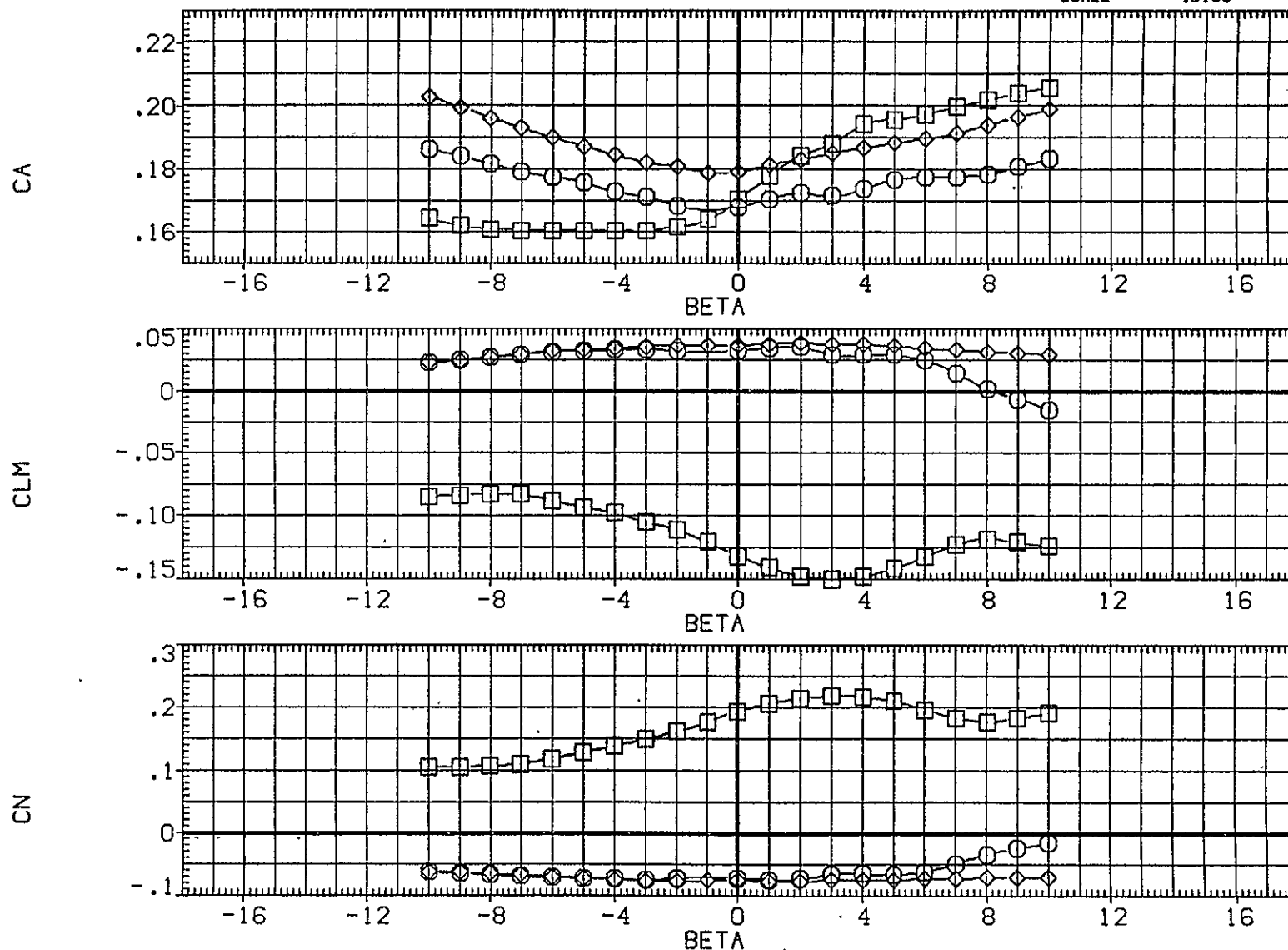
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(ATQ021)	○ AEDC VA422 (A61 01ET1S1) O/ET (RGHT SRB SEPRNG)	.300	1500.000	1.760	.000	SREF	2690.0000	50.FT.
(ATL030)	□ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.300	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF ONLY ONE SRB ENGINE PLUME ON O/ET AERO CHARACT. (SRB POS. 0.3)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(ATQ021)	AEDC VA422 (A61 01ET1S1 O/ET (RIGHT SRB SEPRNG)	.300	1500.000	1.760	.000	SREF	2690.0000	50.FT.
(ATL030)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.300	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

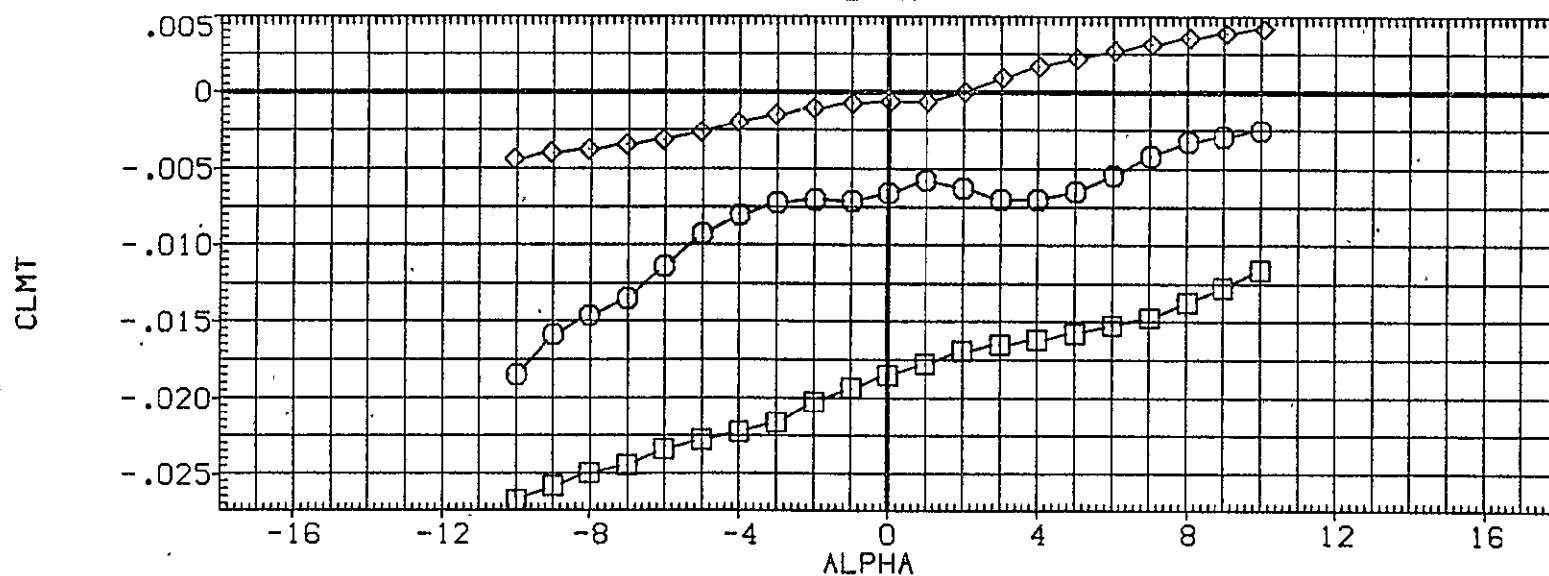
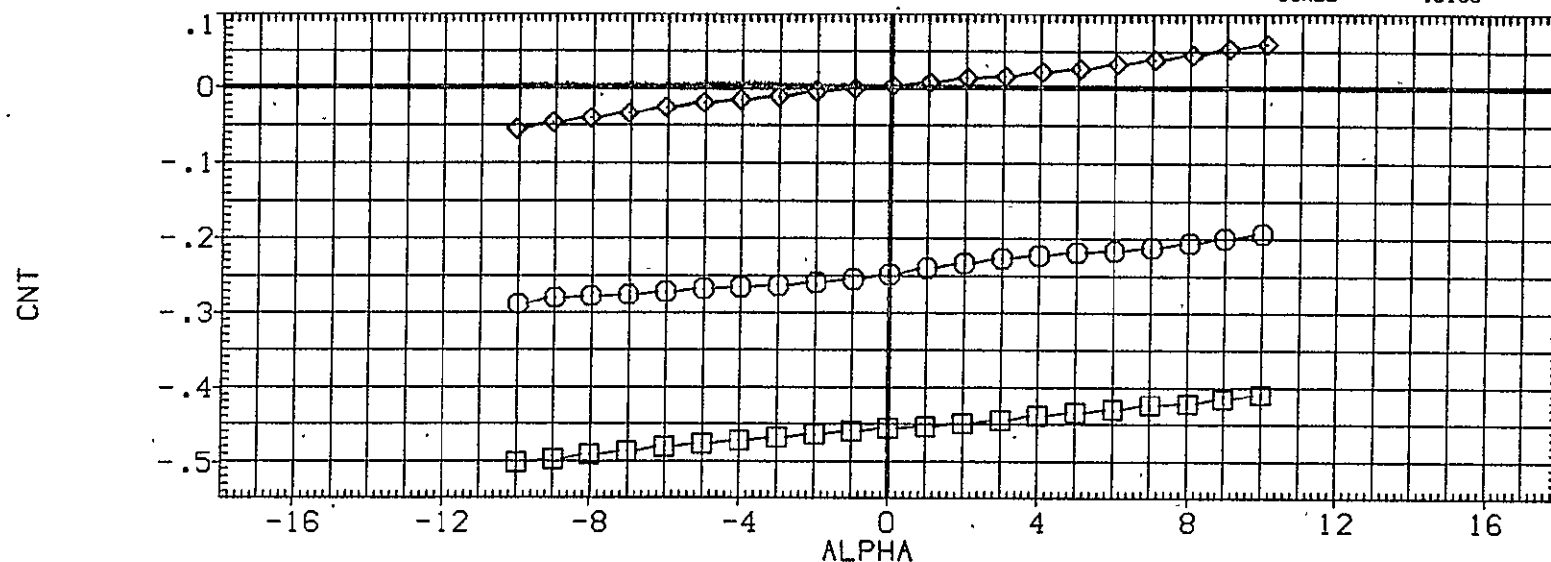


EFFECT OF ONLY ONE SRB ENGINE PLUME ON O/ET AERO CHARACT. (SRB POS. 0.3)

(A)MACH = 4.50

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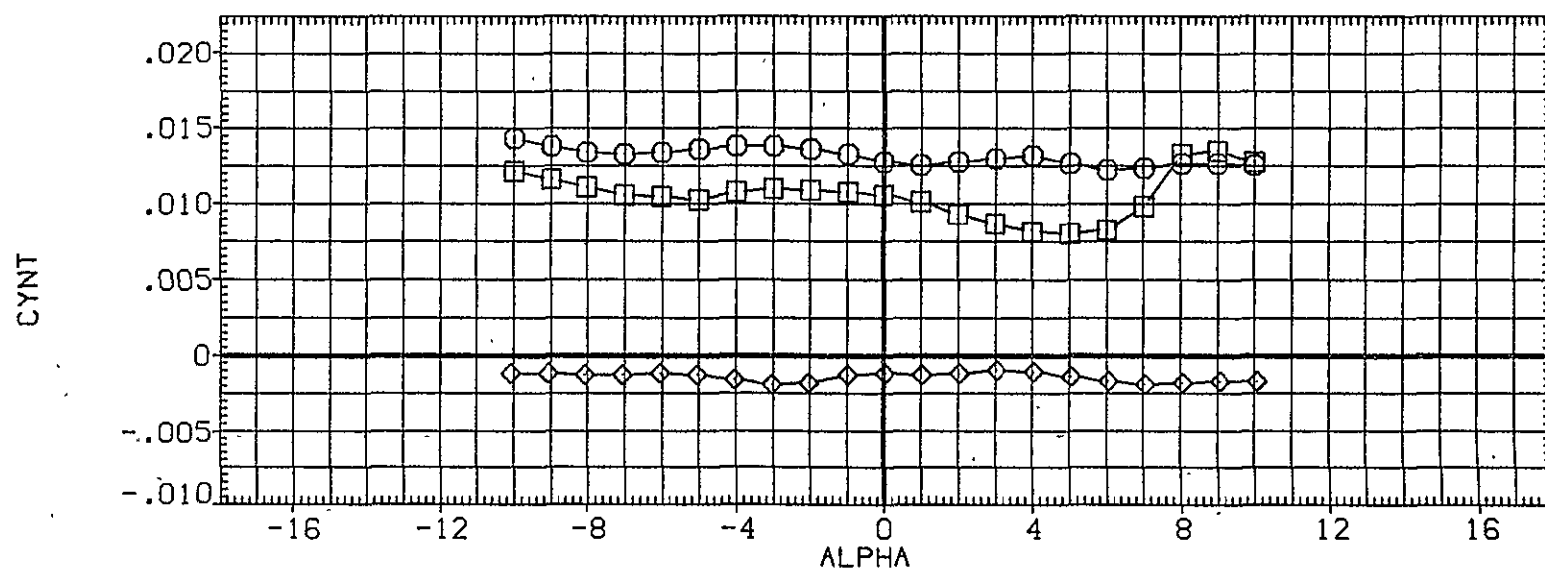
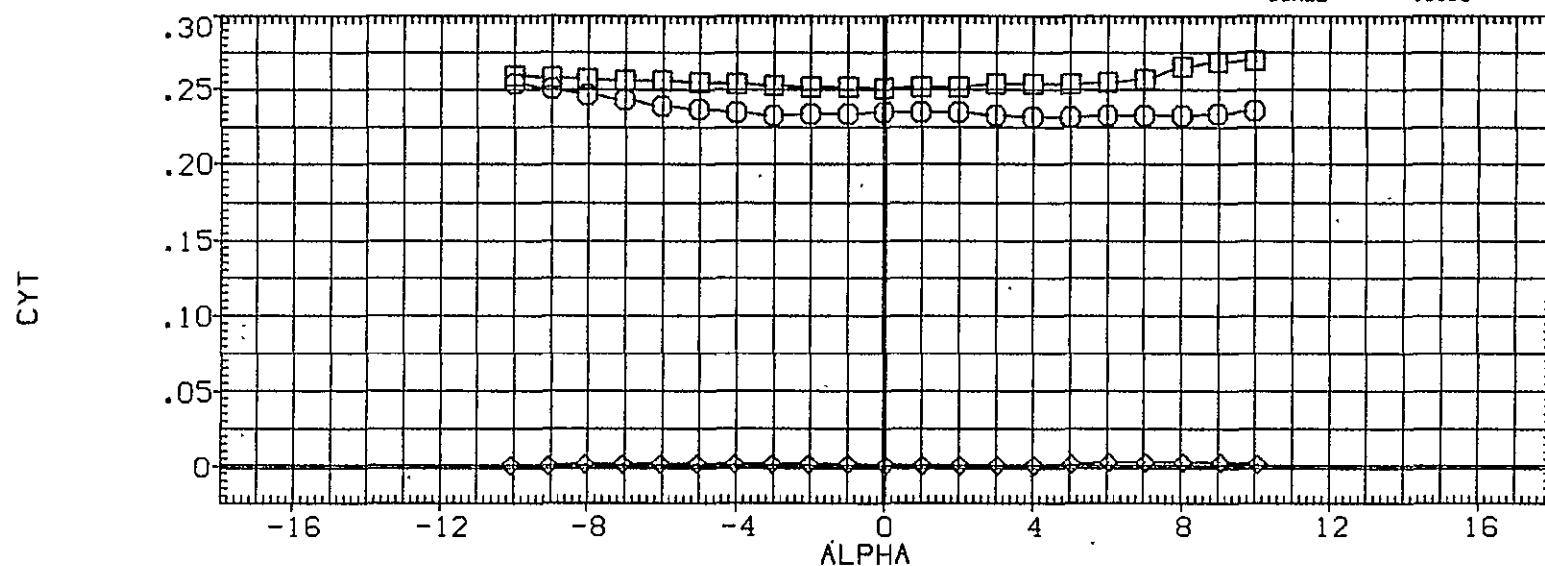
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(ST0040)	AEDC VA422 IA61 01ET1S1 SRB DATA (O/ET SEPRNG)	1.100	750.000	1.760	.000	SREF	2690.0000	50.FT.
(BTL036)	AEDC VA-422(IA-57), ORB/ET W/BOTH SRB	1.100	750.000	1.760	.000	LREF	1290.3000	IN.
(ST0007)	AEDC VA422 IA61 S1 RIGHT AND LEFT SRB	1.100	.000	1.760	.000	BREF	1290.3000	IN.
						XMRP	1167.0000	IN.XS
						YMRP	.0000	IN.YS
						ZMRP	400.0000	IN.ZS
						SCALE	.0100	



EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 1.1)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(STQ040)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	1.100	750.000	1.760	.000	SREF	2690.0000 SQ.FT.
(BTL036)	AEDC VA-422(1A-57). ORB/ET W/BOTH SRB	1.100	750.000	1.760	.000	LREF	1290.3000 IN.
(STQ007)	AEDC VA422 1A61 S1 RIGHT AND LEFT SRB	1.100	.000	1.760	.000	BREF	1290.3000 IN.
						XMRP	1167.0000 IN.XS
						YMRP	.0000 IN.YS
						ZMRP	400.0000 IN.ZS
						SCALE	.0100

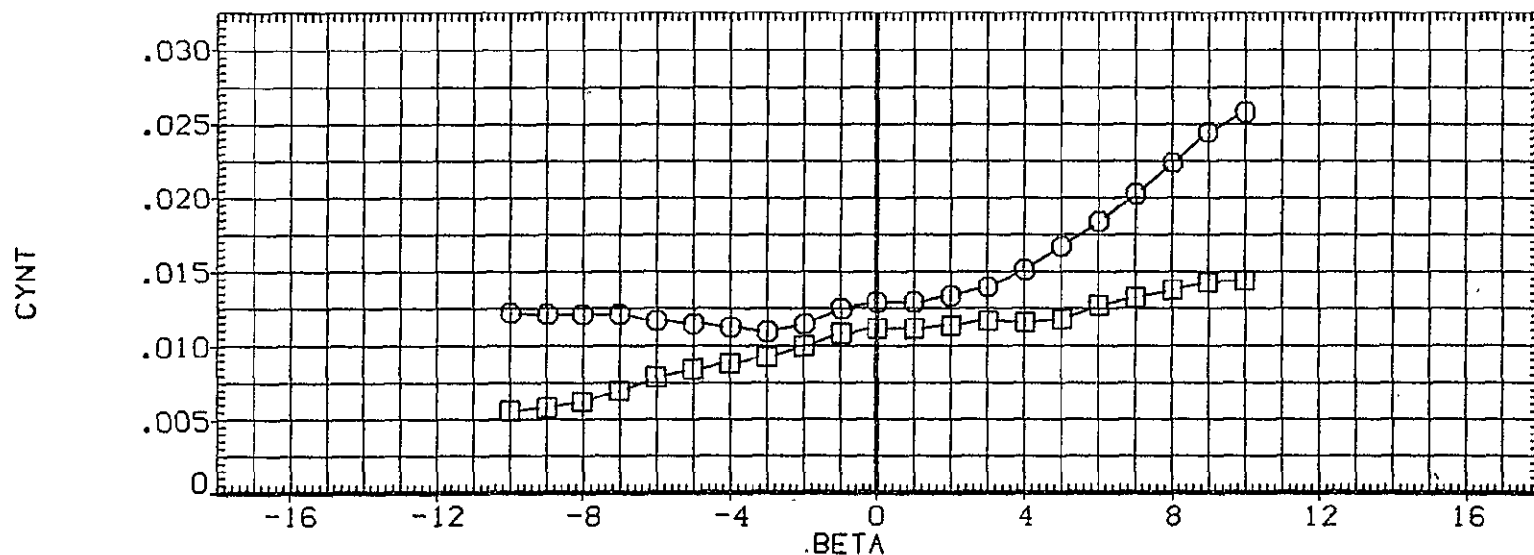
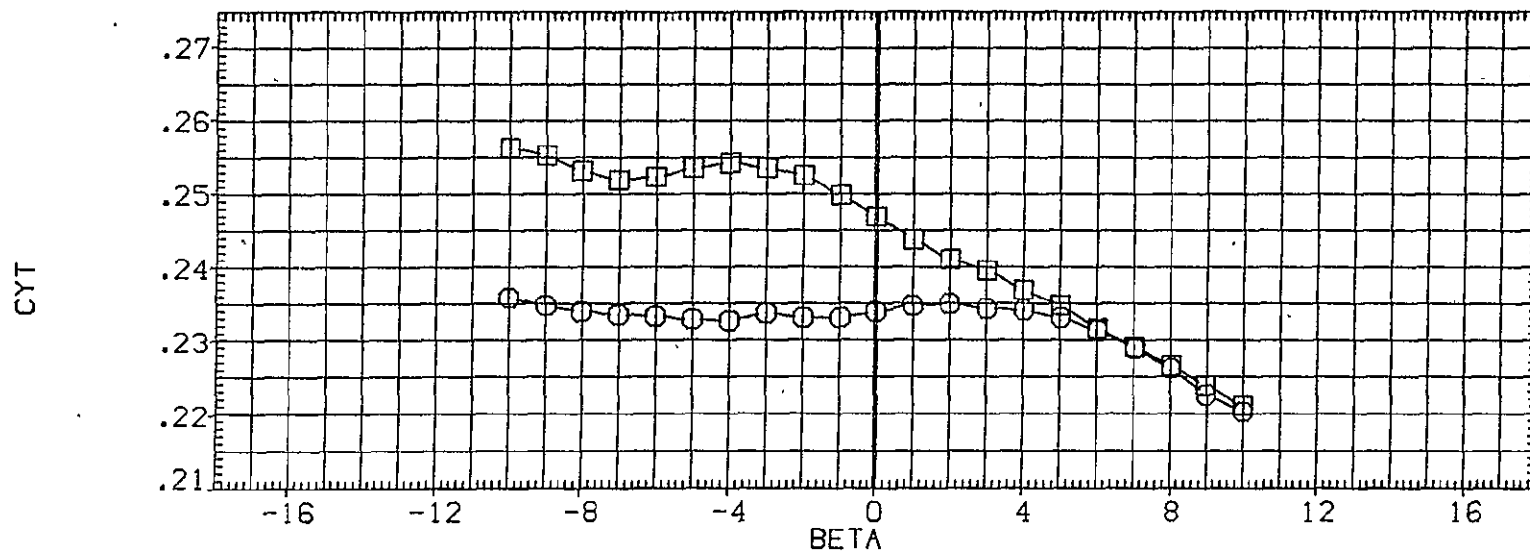


EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 1.1)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(ST0041)	AEDC VA422 (A61 01ET1S1 SRB DATA (O/ET SEPRING))	1.100	750.000	1.760	.000	SREF 2890.0000 SQ.FT.
(BTLO37)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	750.000	1.760	.000	LREF 1290.3000 IN.
						BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100



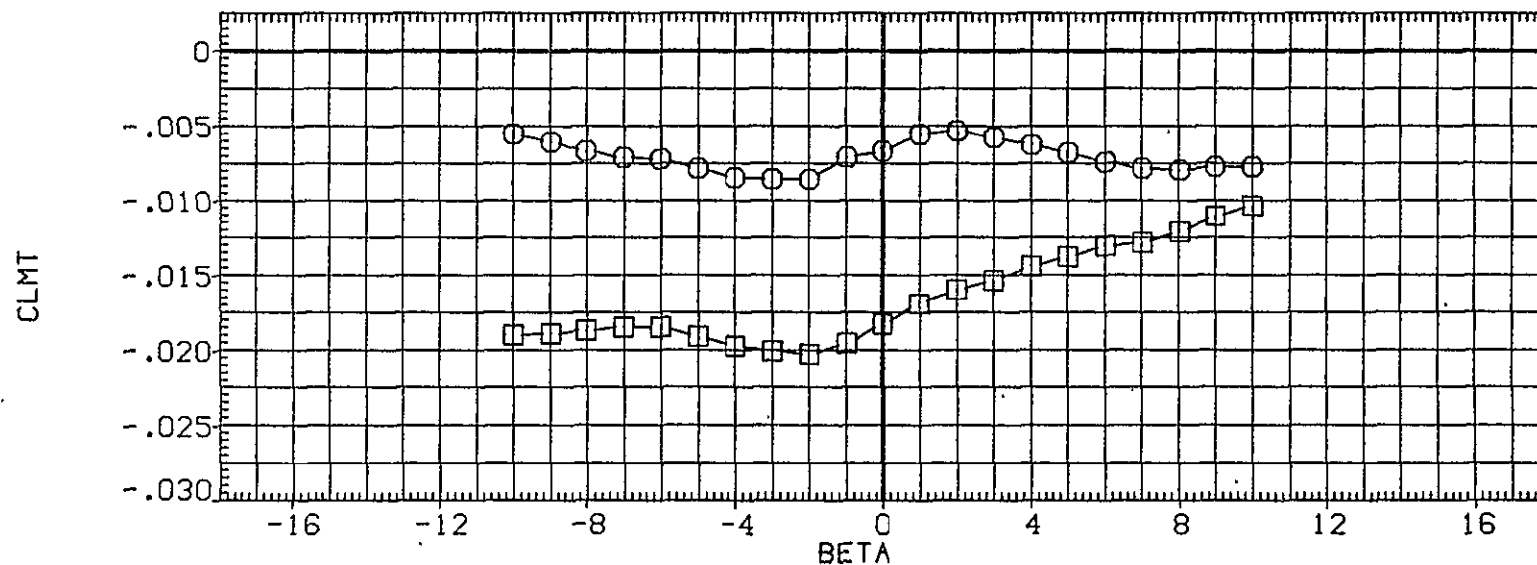
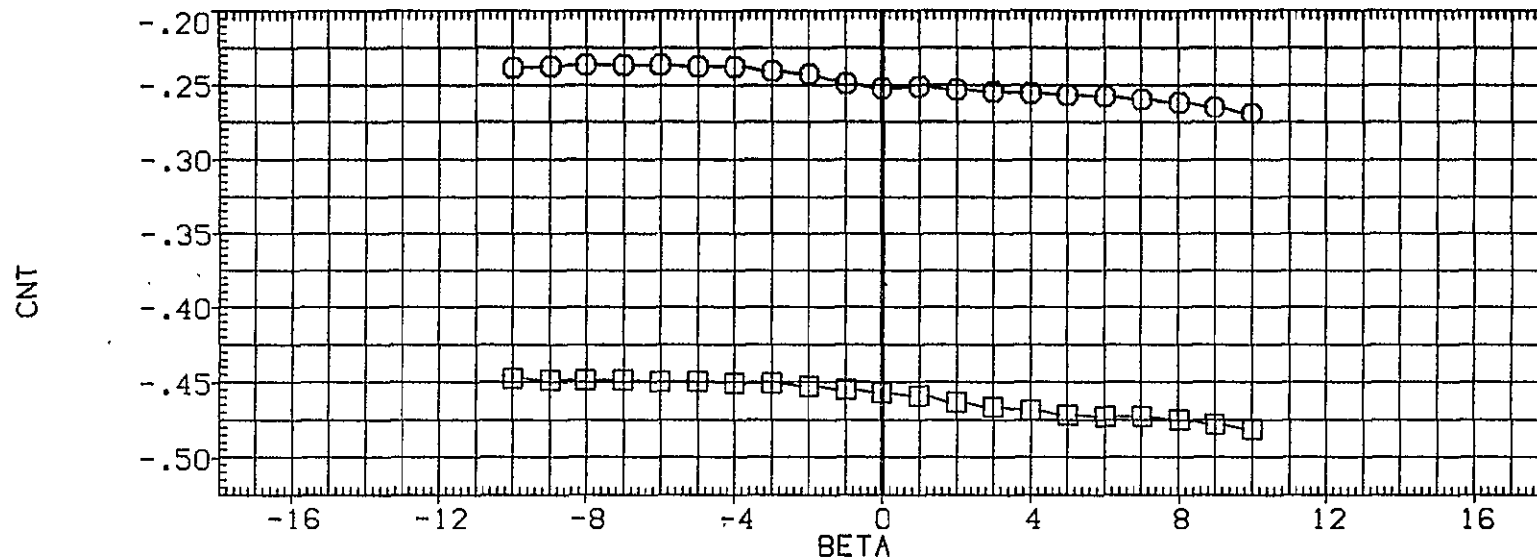
EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 1.1)

(A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ041) ○ AEDC VA422 (A61 01ET1S1) SRB DATA (0/ET SEPRING)
 (BTL037) □ AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB

SRBPOS PT-JET RN/L ALPHA
 1.100 750.000 1.760 .000
 1.100 750.000 1.760 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100

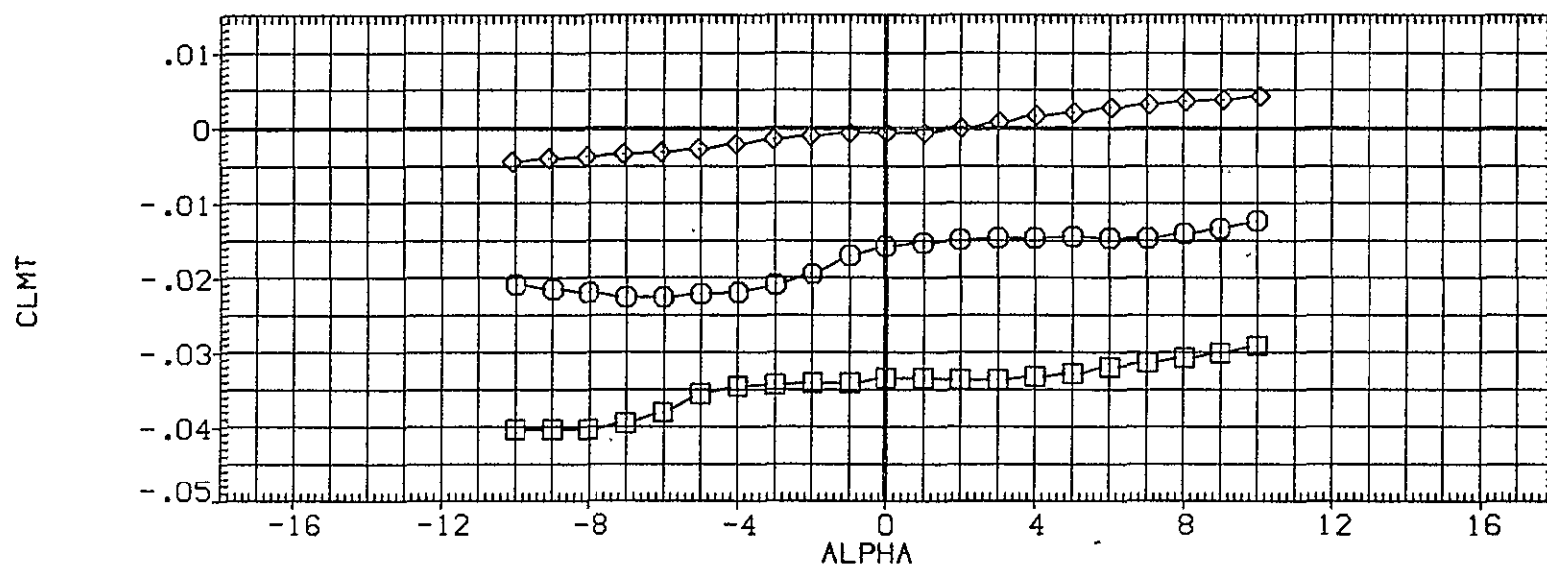
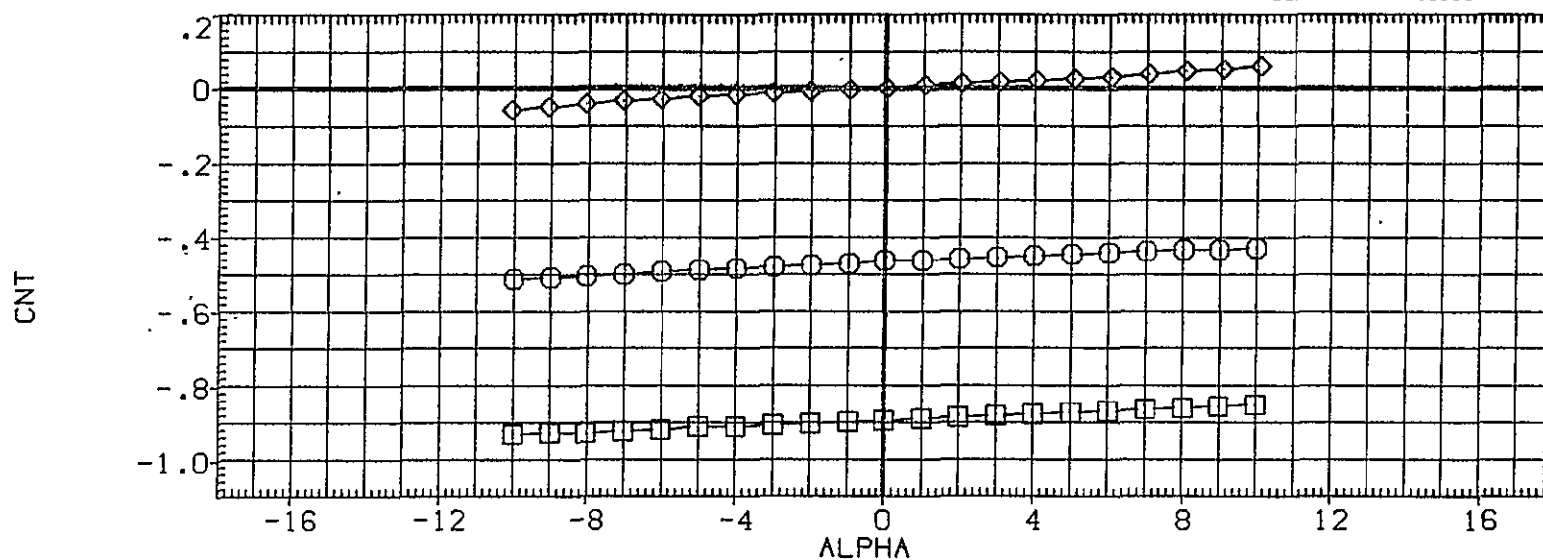


EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 1.1)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(ST0042)	AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)	1.100	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(BTL038)	AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB	1.100	1500.000	1.760	.000	LREF	1290.3000	IN.
(ST0007)	AEDC VA422 1A61 SI RIGHT AND LEFT SRB	1.100	.000	1.760	.000	BREF	1290.3000	IN.
						XMRP	1167.0000	IN.XS
						YMRP	.0000	IN.YS
						ZMRP	400.0000	IN.ZS
						SCALE	.0100	

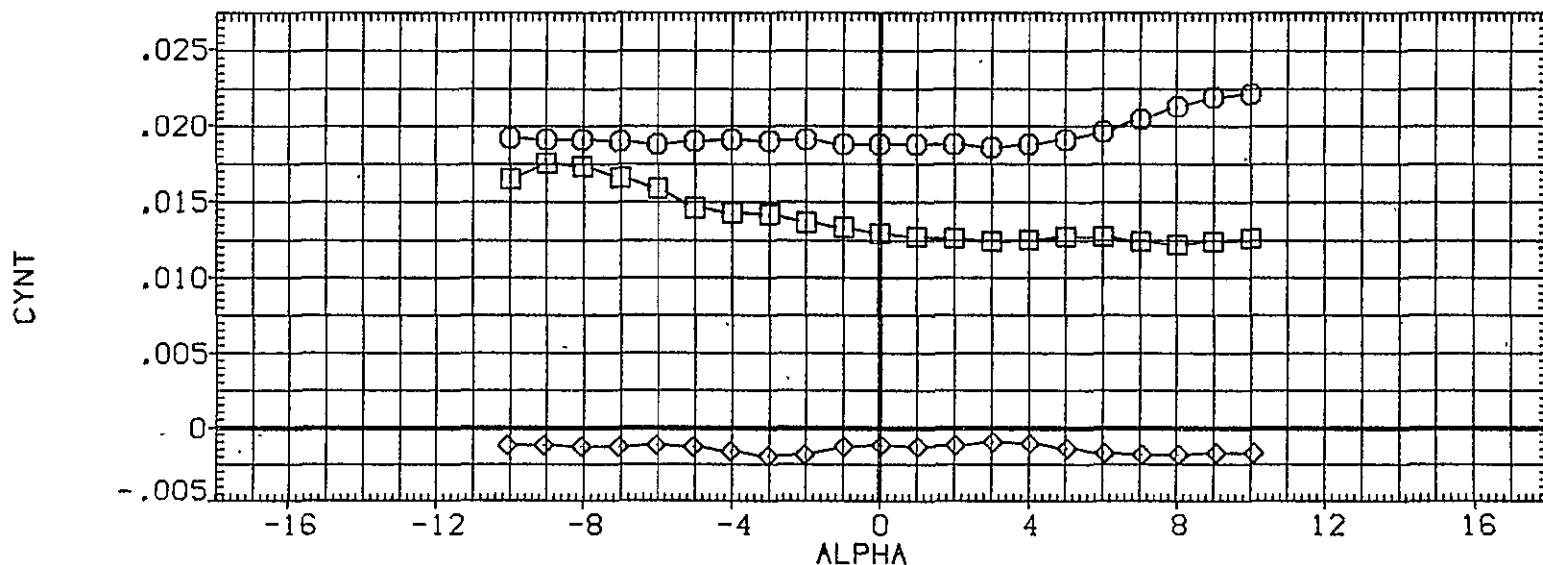
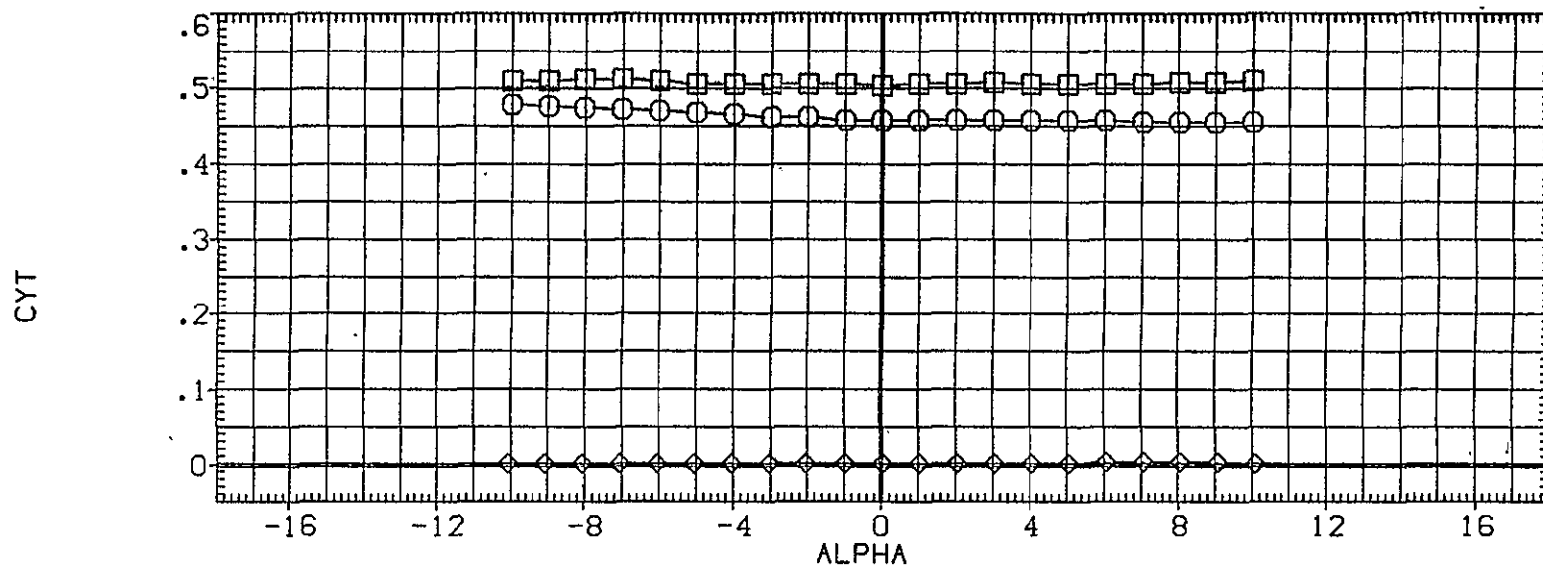


EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 1.1)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(STQ042)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	1.100	1500.000	1.760	.000	SREF 2690.0000 50.FT.
(BTL038)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	1500.000	1.760	.000	LREF 1290.3000 IN.
(STQ007)	AEDC VA422 1A61 S1 RIGHT AND LEFT SRB	1.100	.000	1.760	.000	BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100



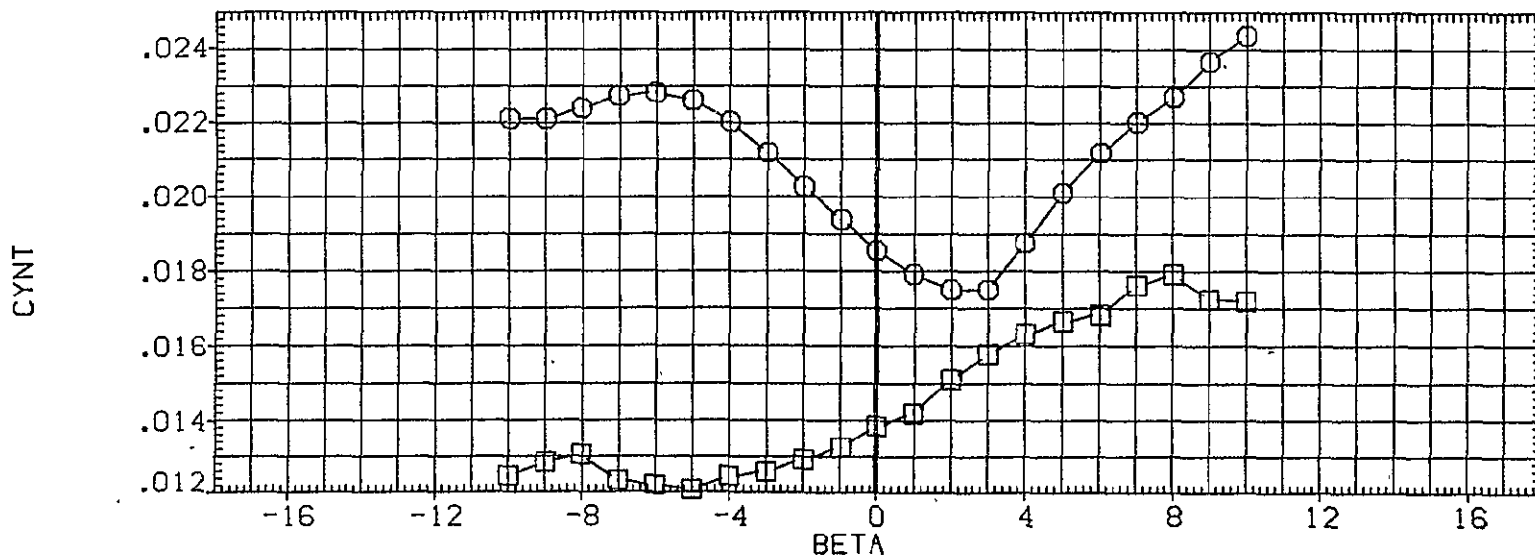
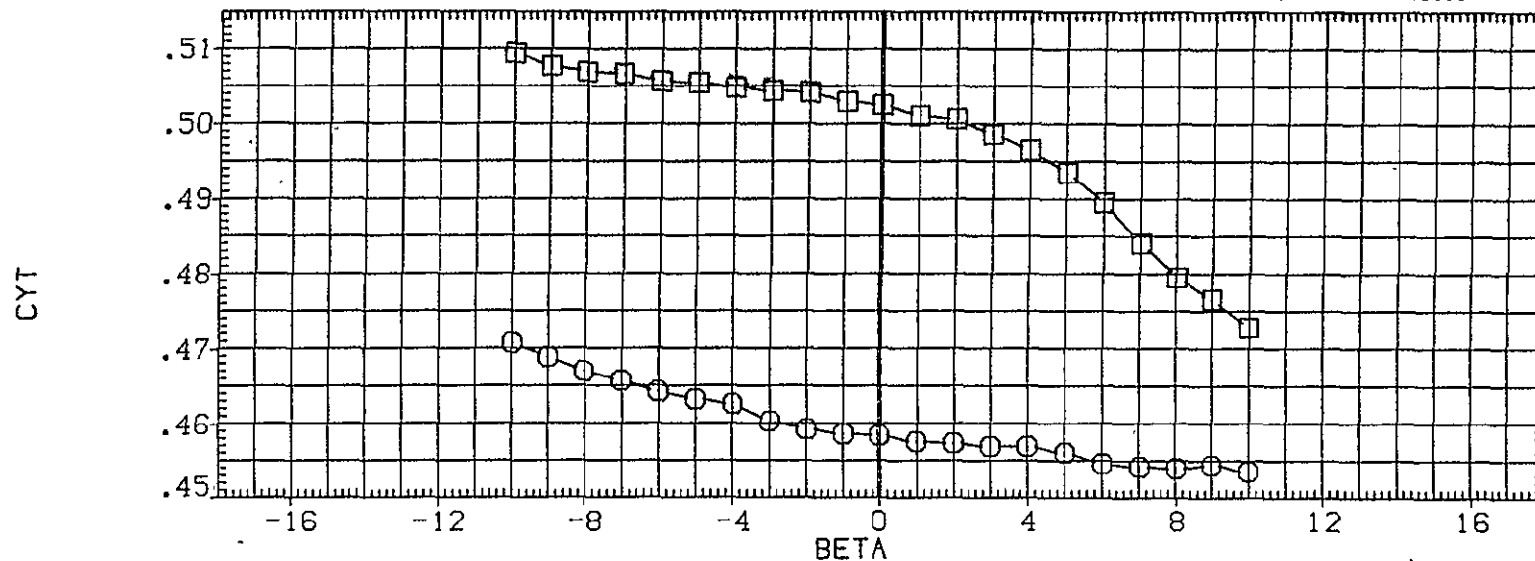
EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 1.1)

(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0045) ○ AEDC VA422 (A61) 01ET151 SRB DATA (O/ET SEPRNG)
 (BTLO39) □ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

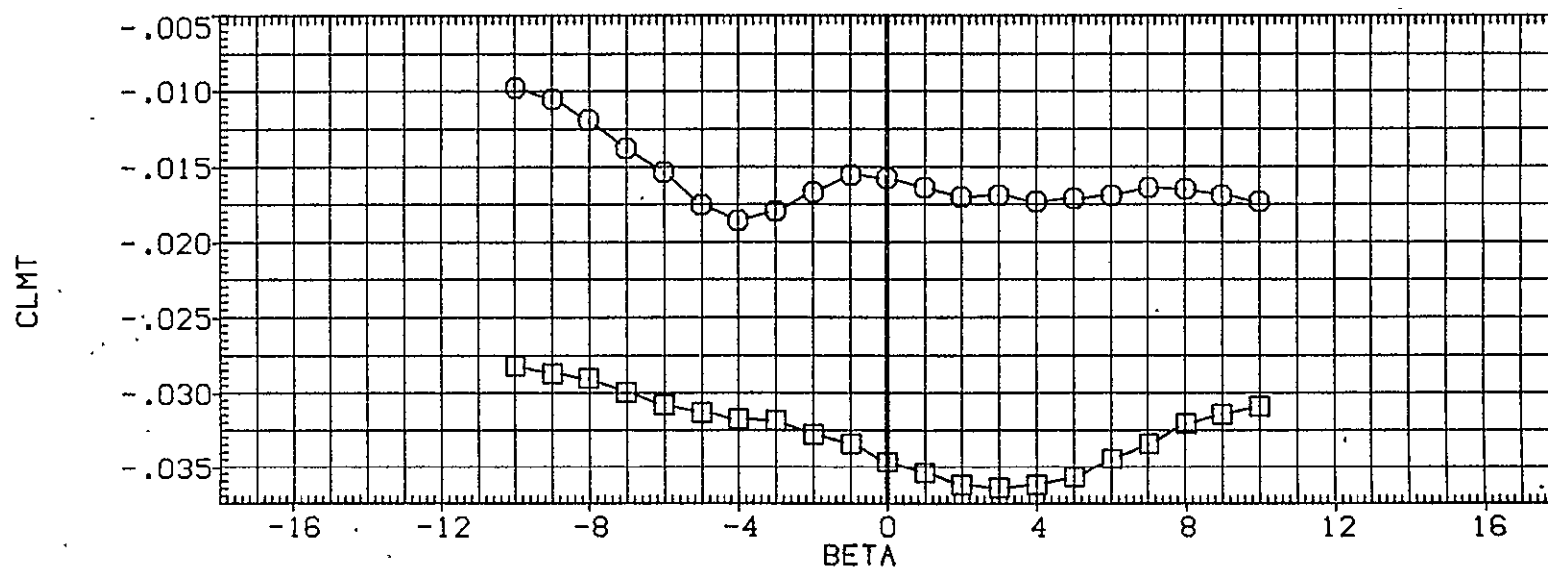
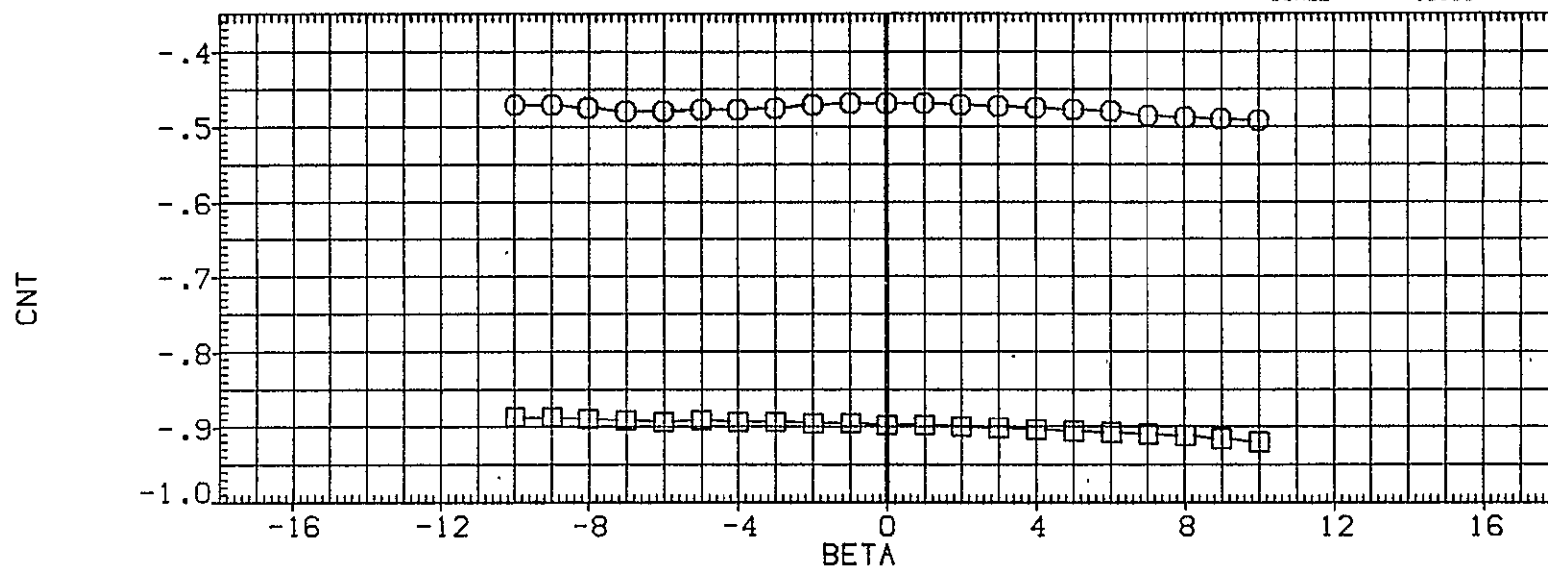
SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
1.100	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
1.100	1500.000	1.760	.000	LREF	1290.3000	IN.
				BREF	1290.3000	IN.
				XMRP	1167.0000	IN.XS
				YMRP	.0000	IN.YS
				ZMRP	400.0000	IN.ZS
				SCALE	.0100	



EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 1.1)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(STQ045)	AEBC VA422 IA61 01ET1S1 SRB DATA (O/ET SEPRNG)	1.100	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(BTL039)	AEBC VA-422(IA-57), ORB/ET W/BOTH SRB	1.100	1500.000	1.760	.000	LREF 1290.3000 IN.
						BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100

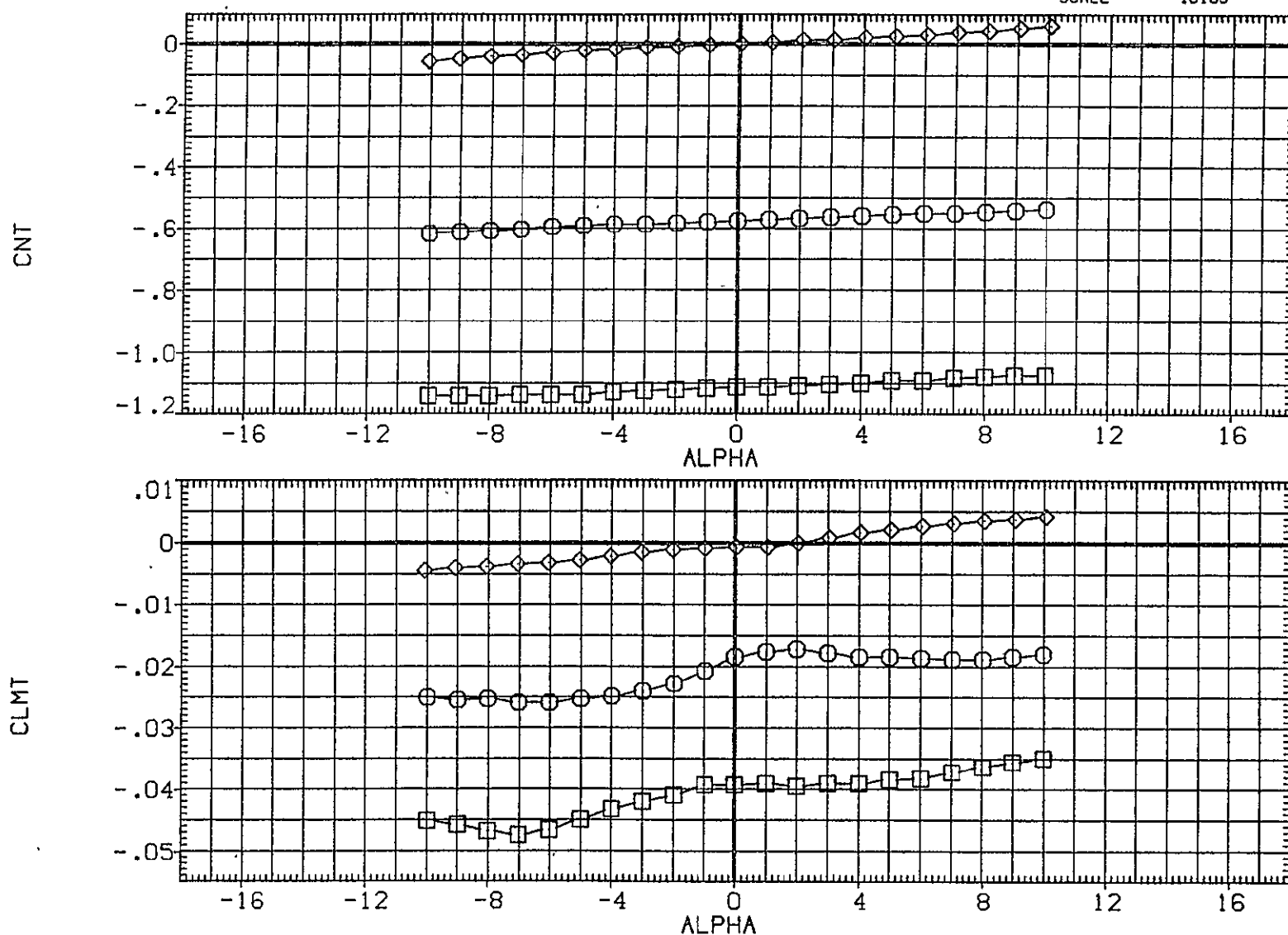


EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 1.1)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(ST0034)	AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)	1.100	1500.000	1.400	.000	SREF	2690.0000 SQ.FT.
(BTL032)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	1500.000	1.400	.000	LREF	1290.3000 IN.
(ST0007)	AEDC VA422 1A61 S1 RIGHT AND LEFT SRB	1.100	.000	1.760	.000	BREF	1290.3000 IN.
						XMRP	1167.0000 IN.XS
						YMRP	.0000 IN.YS
						ZMRP	400.0000 IN.ZS
						SCALE	.0100

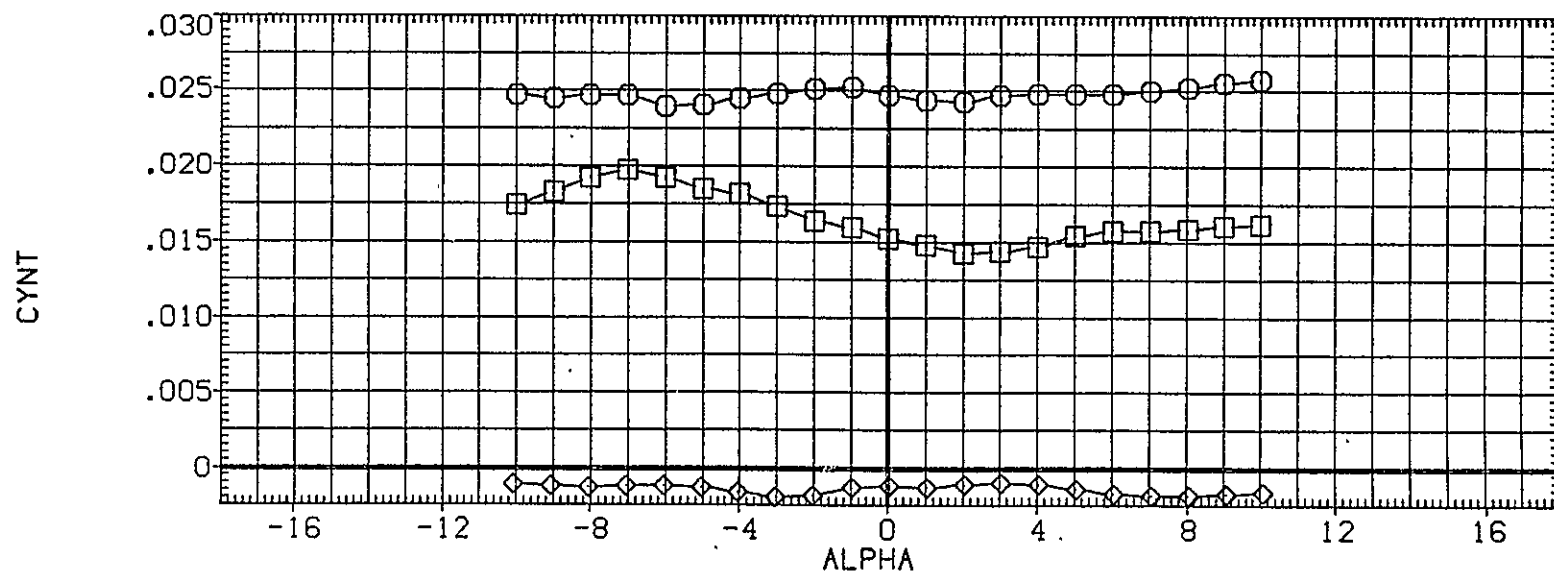
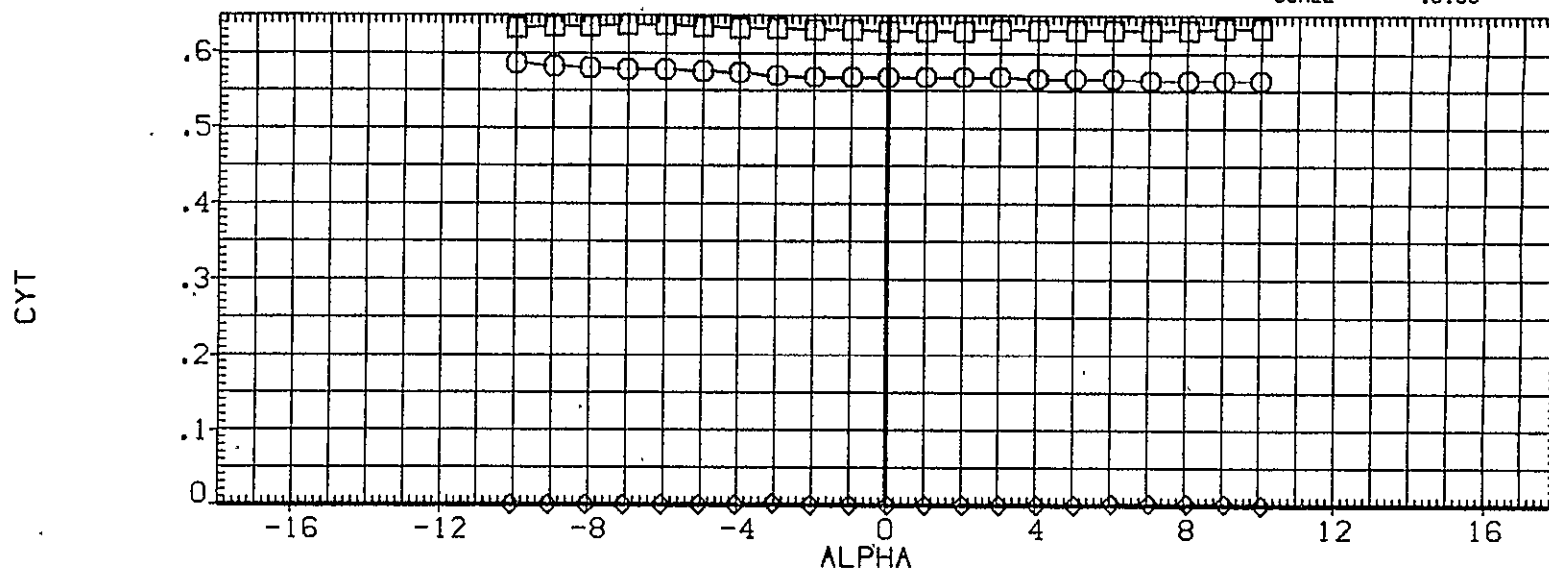


EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 1.1)

(A)MACH = 4.50

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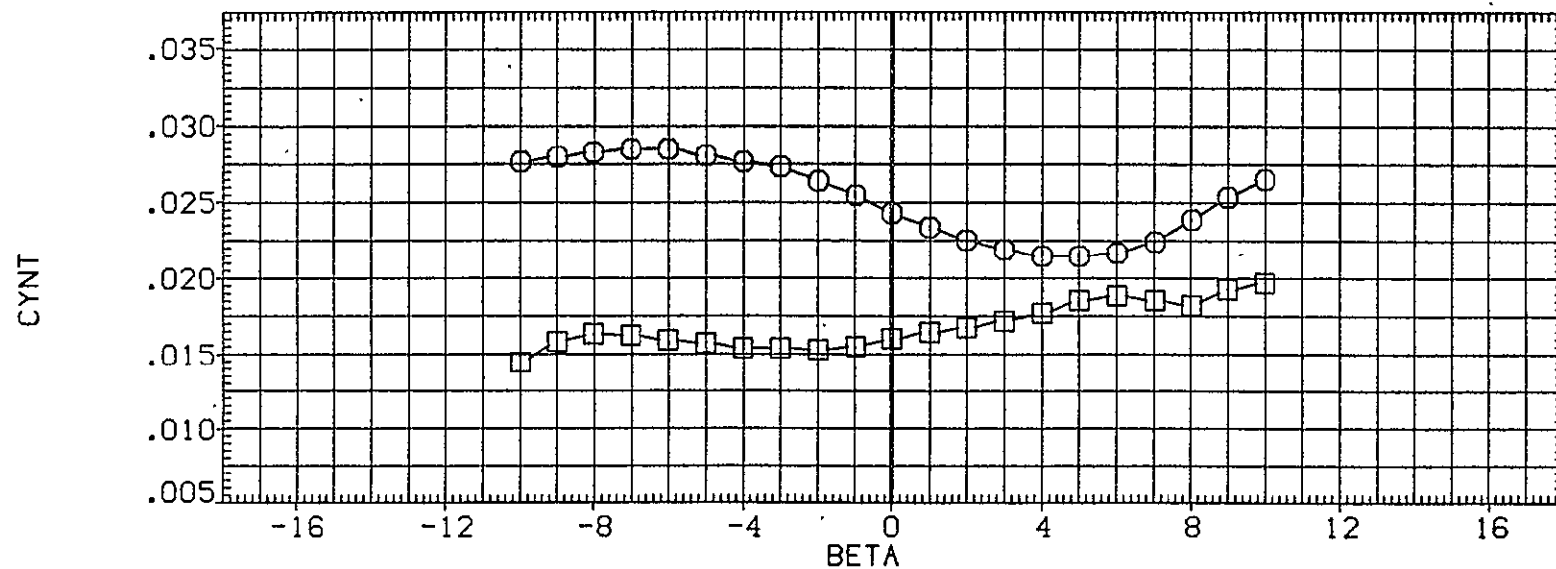
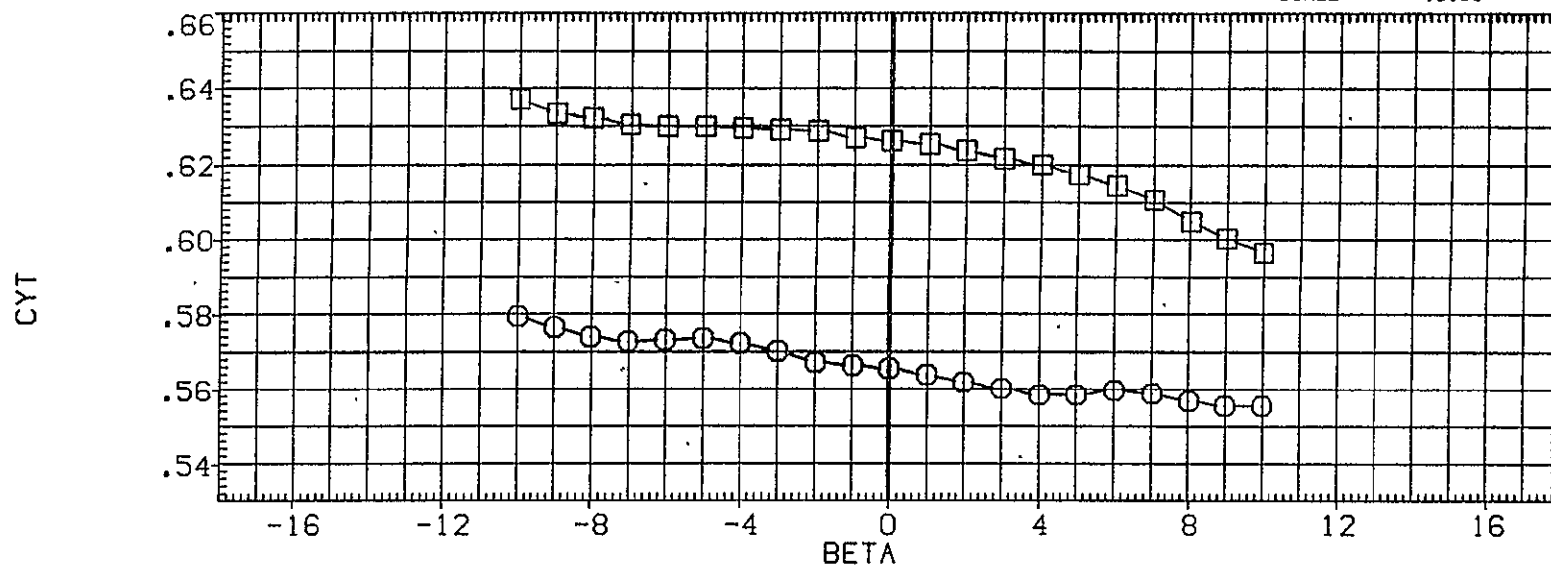
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(ST0034)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	1.100	1500.000	1.400	.000	SREF	2690.0000	SQ.FT.
(BTL032)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	1500.000	1.400	.000	LREF	1290.3000	IN.
(ST0007)	AEDC VA422 1A61 S1 RIGHT AND LEFT SRB	1.100	.000	1.760	.000	OREF	1290.3000	IN.
						XMRP	1167.0000	IN.XS
						YMRP	.0000	IN.YS
						ZMRP	400.0000	IN.ZS
						SCALE	.0100	



EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 1.1)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(ST0036)	AEDC VA422 1A61 01ET151 SRB DATA (O/ET SEPRING)	1.100	1500.000	1.400	.000	SREF 2690.0000 SQ.FT.
(BTLO33)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	1.100	1500.000	1.400	.000	LREF 1290.3000 IN.
						BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100



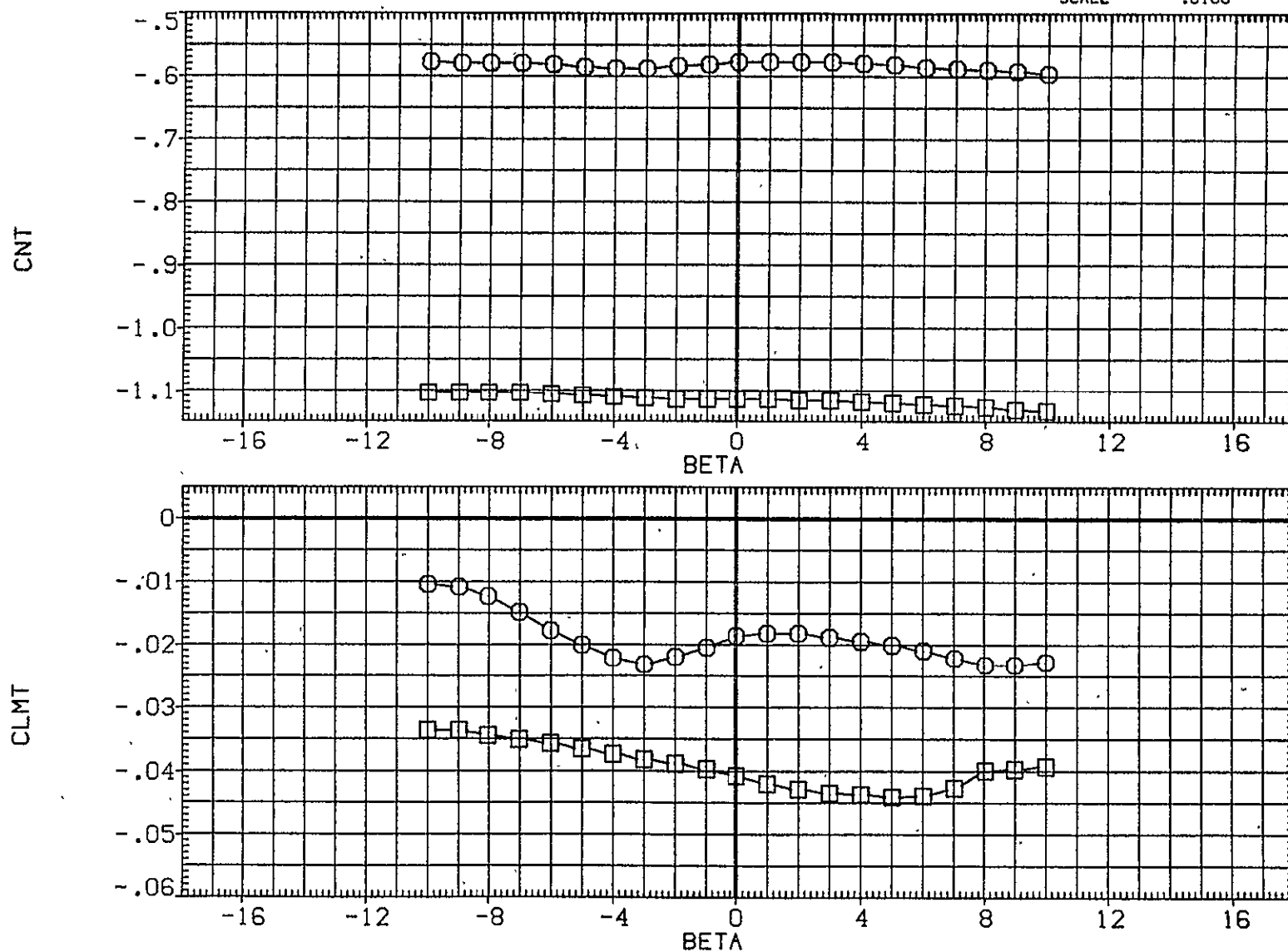
EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 1.1)

(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0036) ○ AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)
 (BTLO33) □ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
1.100	1500.000	1.400	.000	SREF 2690.0000	SQ.FT.
1.100	1500.000	1.400	.000	LREF 1290.3000	IN.
				BREF 1290.3000	IN.
				XMRP 1167.0000	IN.XS
				YMRP .0000	IN.YS
				ZMRP 400.0000	IN.ZS
				SCALE .0100	



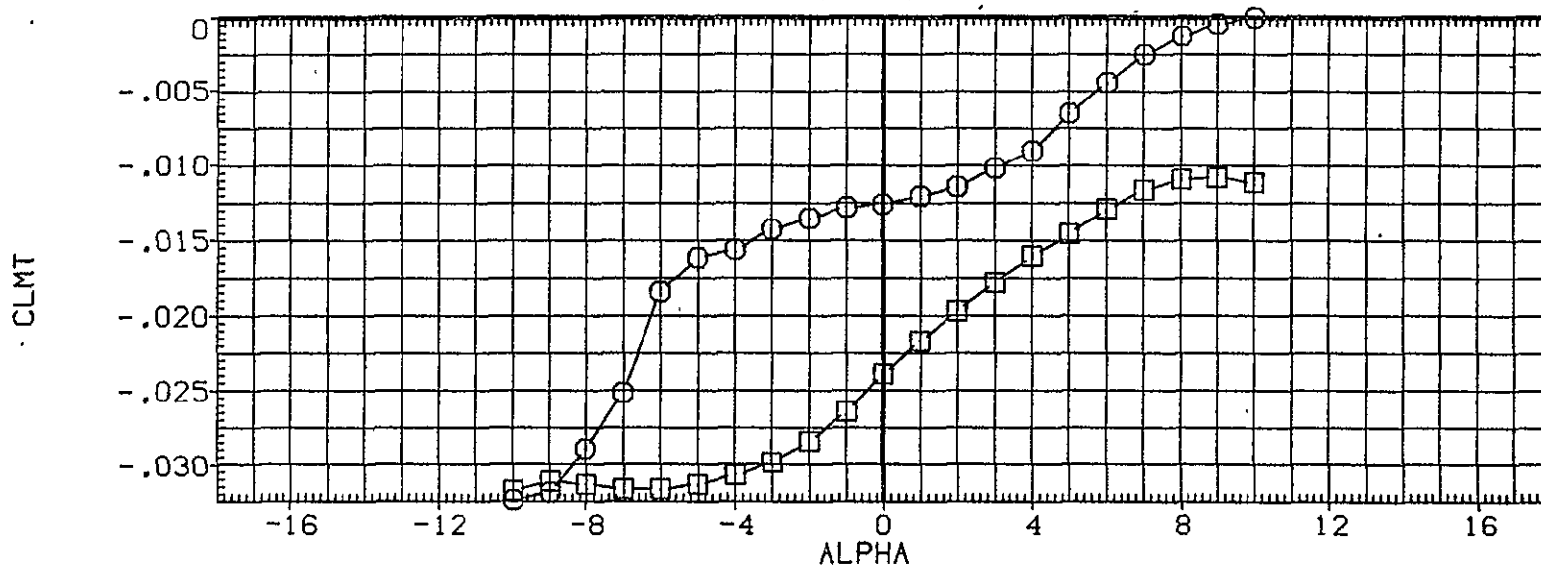
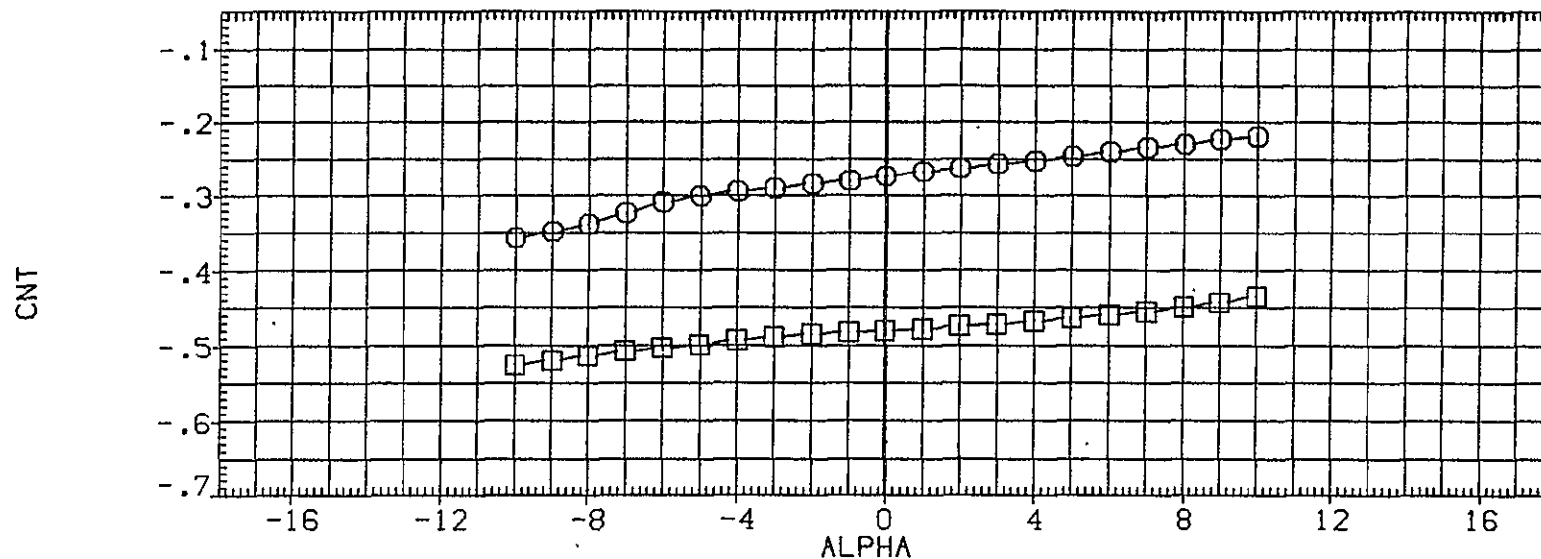
EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 1.1)

(A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0052) ○ AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRTING)
 (BTL047) □ AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB

SRBPOS PT-JET RN/L BETA
 2.200 750.000 1.760 .000
 2.200 750.000 1.760 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



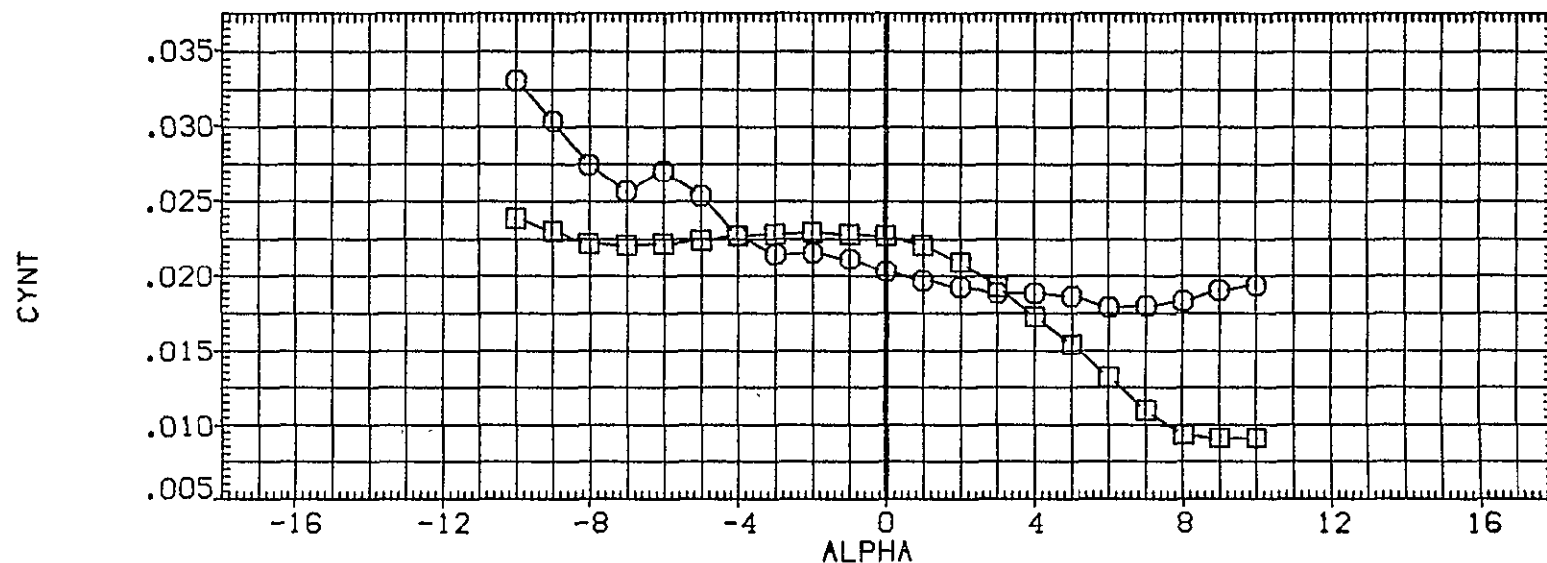
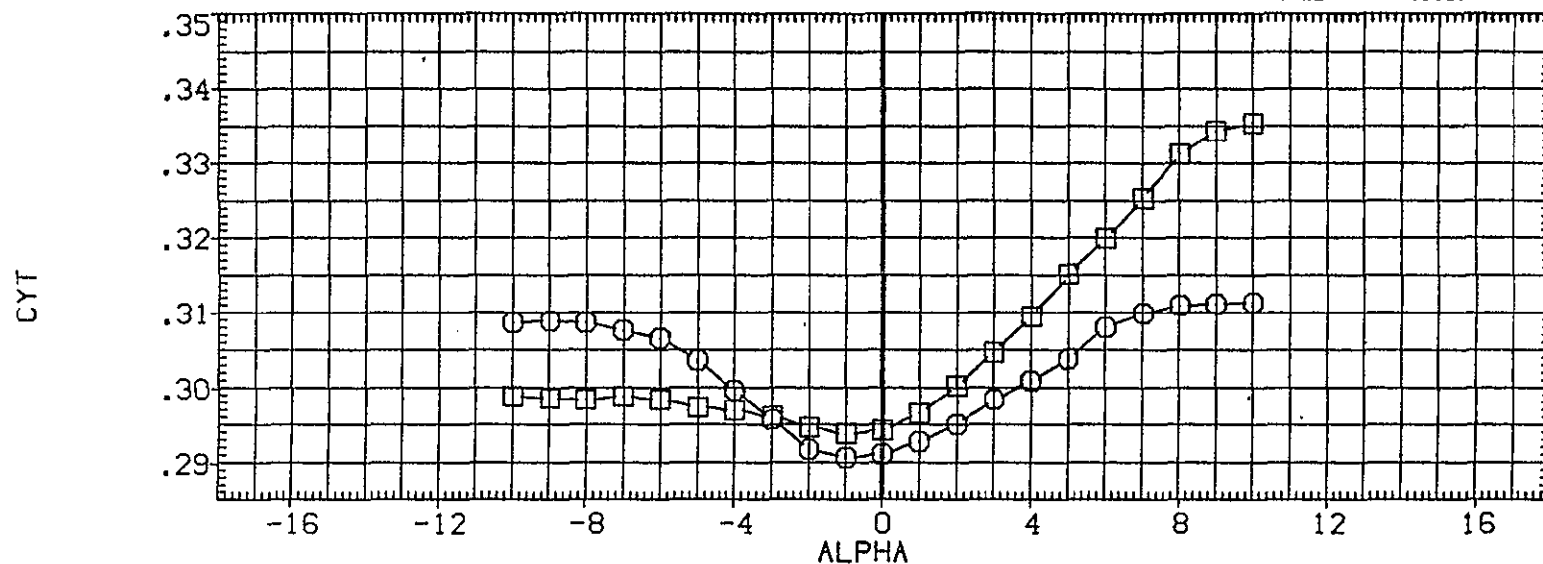
EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 2.2)

(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ052) AEDC VA422 1A61 01ET151 SRB DATA (O/ET SEPRNG)
 (BTLO47) AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
2.200	750.000	1.760	.000	SREF	2690.0000	SQ.FT.
2.200	750.000	1.760	.000	LREF	1290.3000	IN.
				BREF	1290.3000	IN.
				XMRP	1167.0000	IN.XS
				YMRP	.0000	IN.YS
				ZMRP	400.0000	IN.ZS
				SCALE	.0100	



EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 2.2)

(A)MACH = 4.50

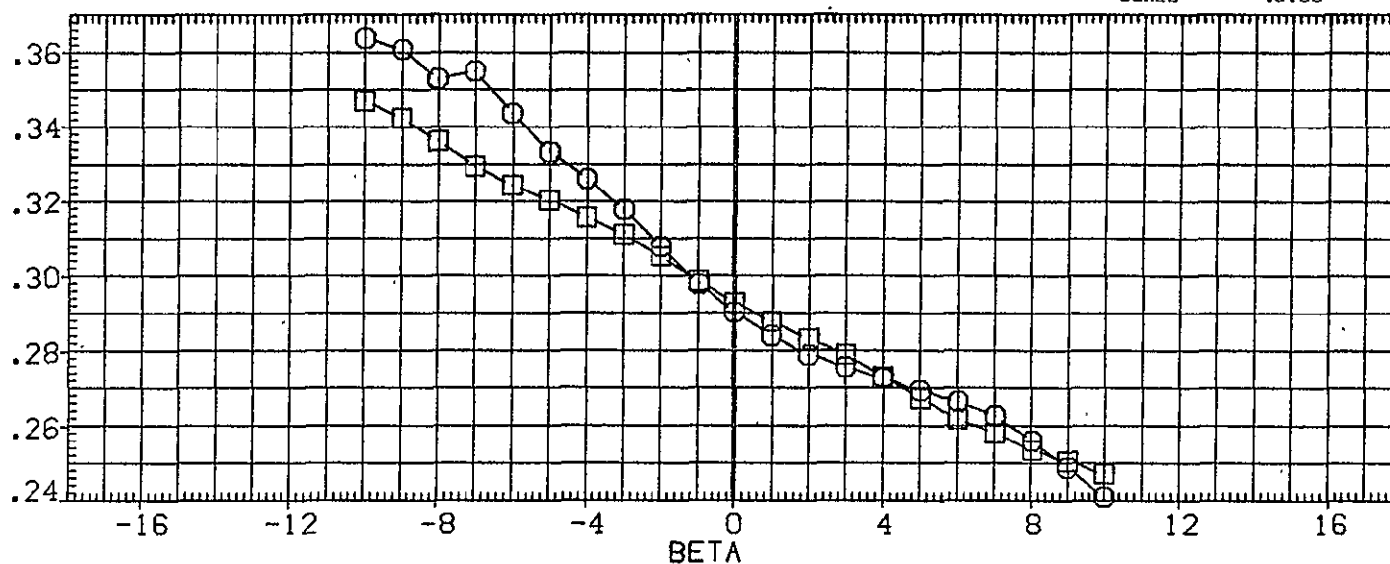
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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ053) AEDC VA422 (A61 01ET1S1 SRB DATA (O/ET SEPRNG)
 (BTLO48) AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

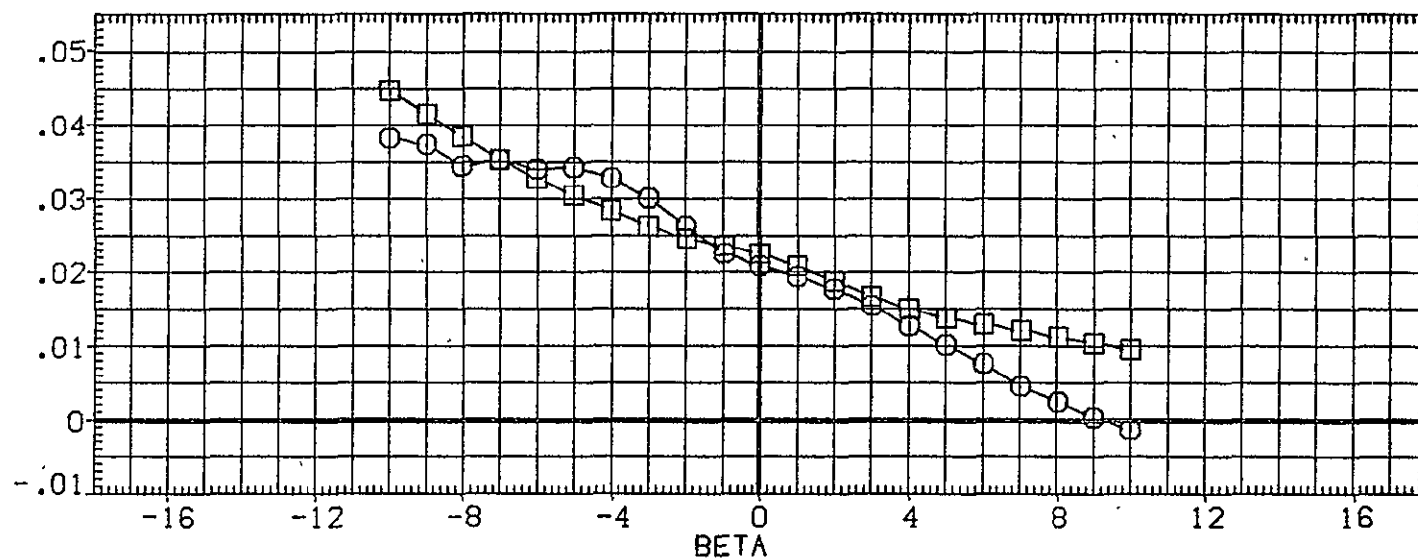
SRBPOS PT-JET RN/L ALPHA
 2.200 750.000 1.760 .000
 2.200 750.000 1.760 .000

REFERENCE INFORMATION
 SREF 2690.0000 50.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100

CYT



CYNT

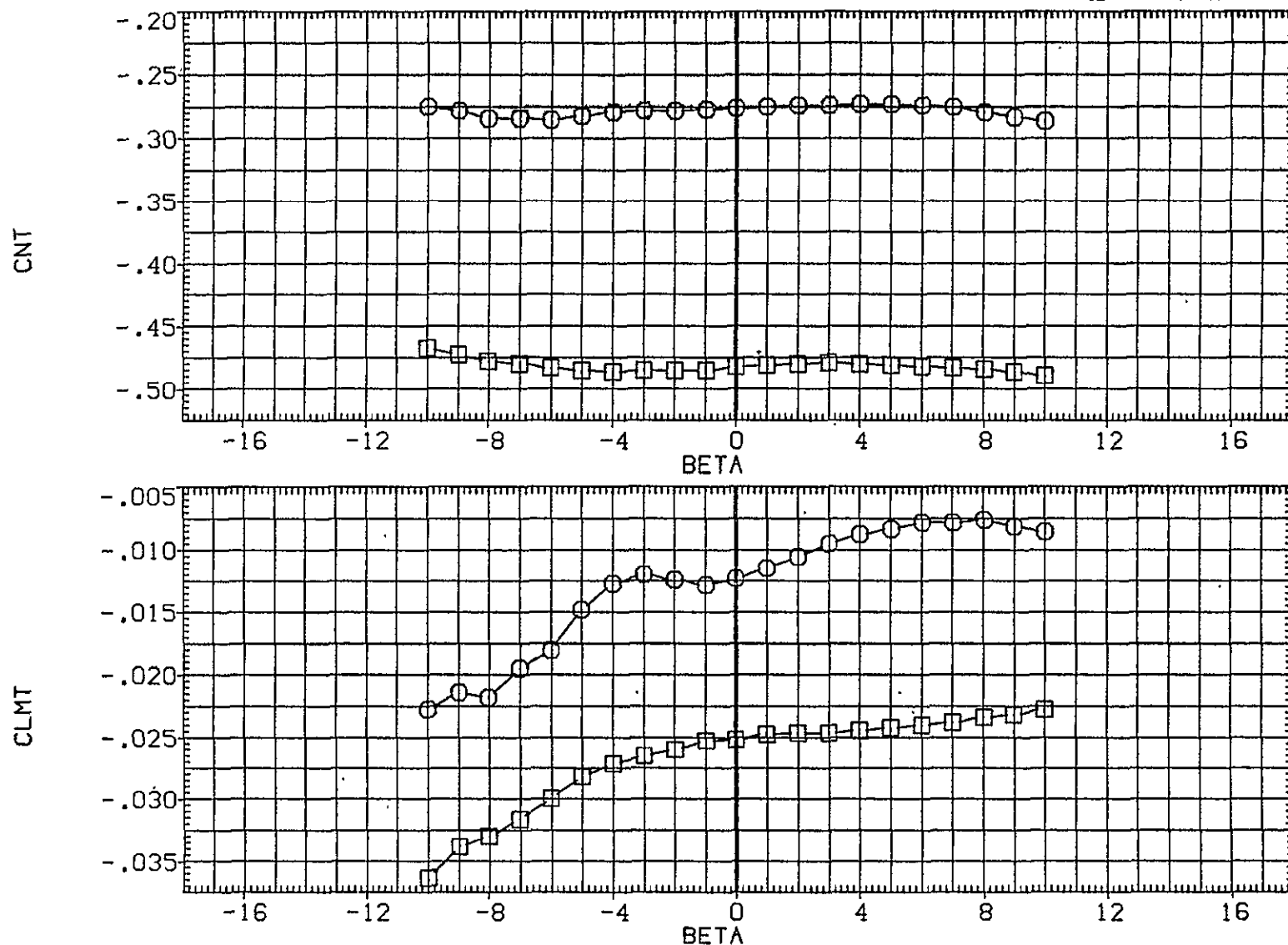


EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 2.2)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(STQ053)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTING)	2.200	750.000	1.760	.000	SREF 2690.0000 SQ.FT.
(BTL048)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	2.200	750.000	1.760	.000	LREF 1290.3000 IN.
						BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100



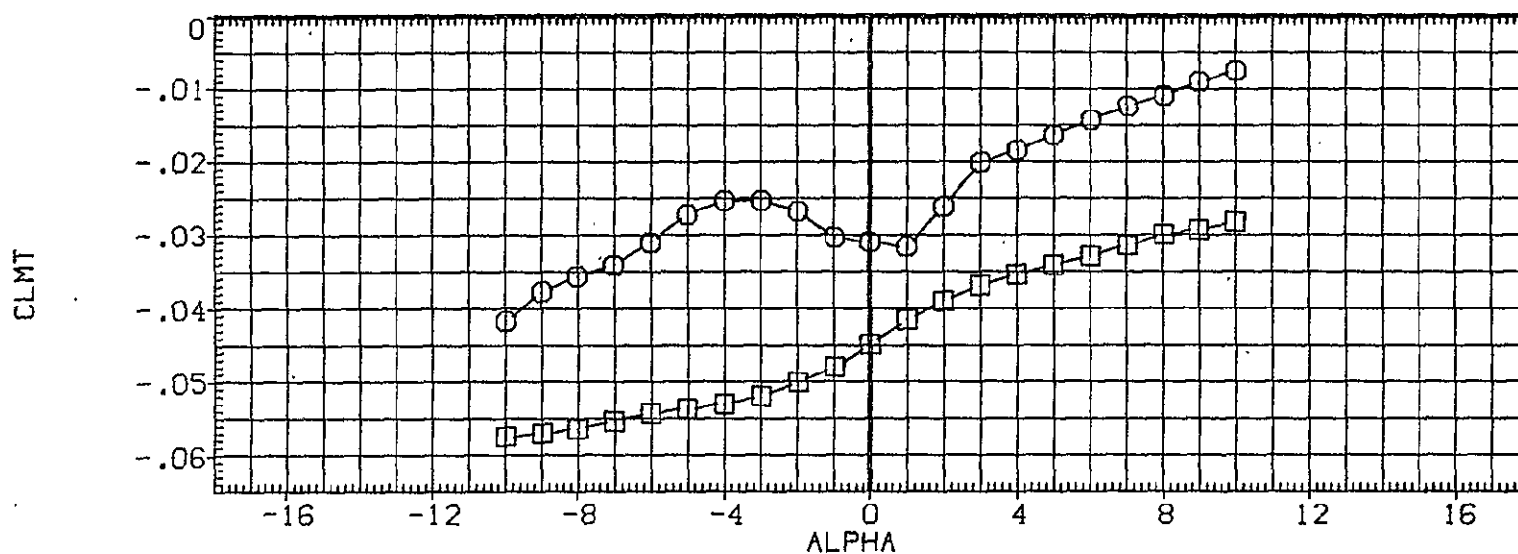
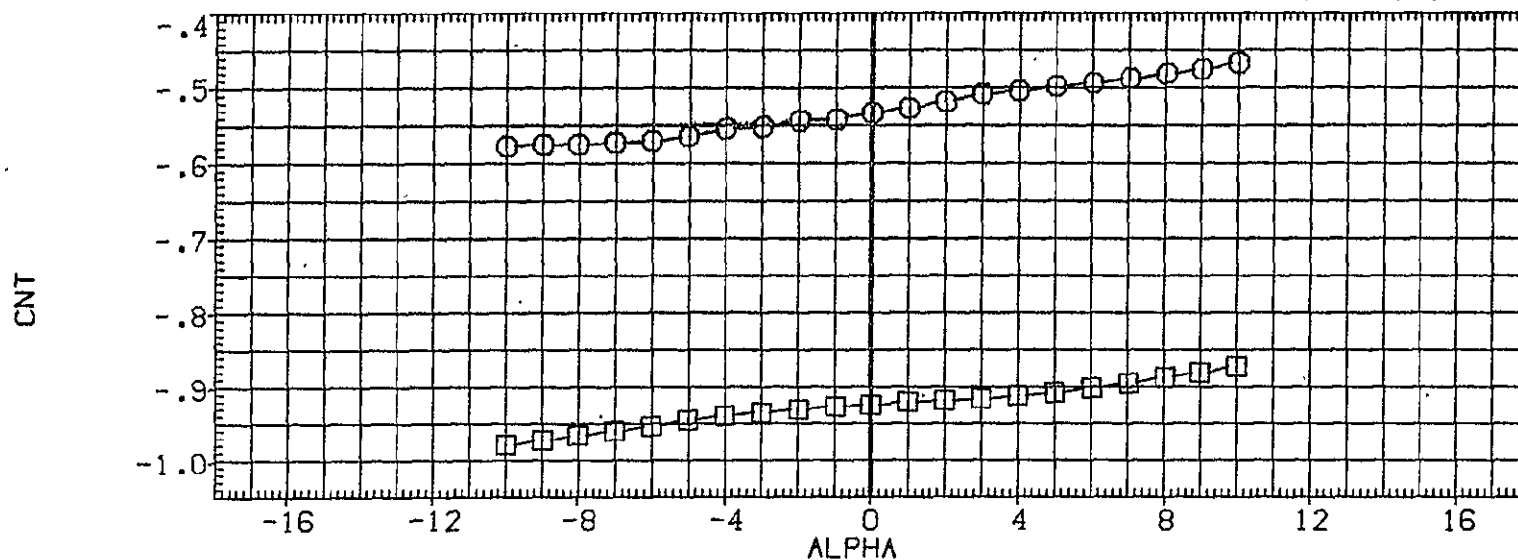
EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 2.2)

(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (SY0054)  AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)
 (BTLO49)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
2.200	1500.000	1.760	.000	SREF	2690.0000	SO.FT.
2.200	1500.000	1.760	.000	LREF	1290.3000	IN.
				BREF	1290.3000	IN.
				XMRP	1167.0000	IN.XS
				YMRP	.0000	IN.YS
				ZMRP	400.0000	IN.ZS
				SCALE	.0100	

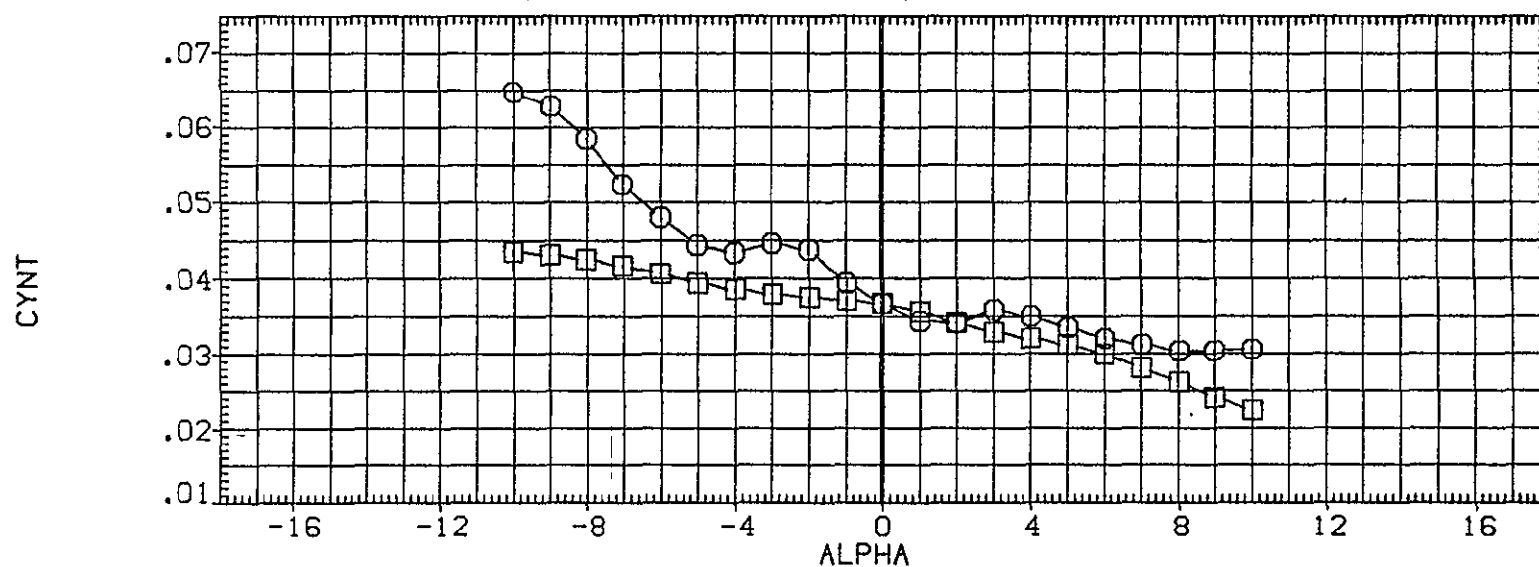
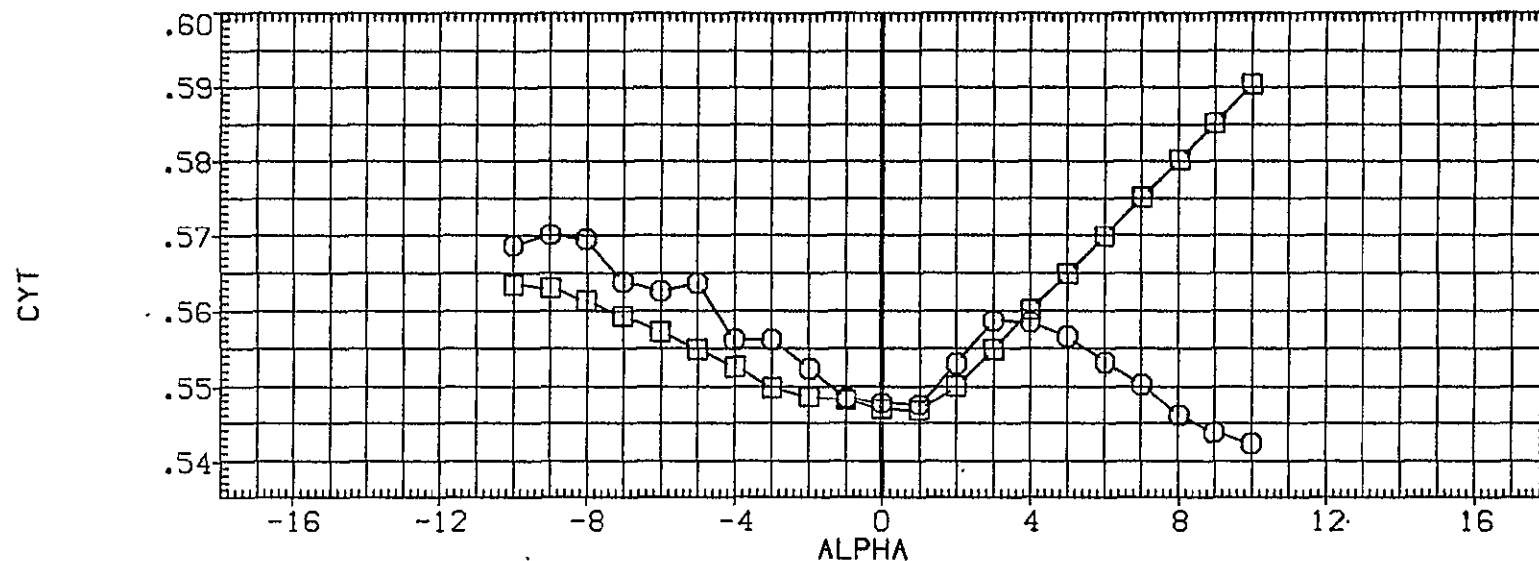


EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 2.2)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(STQ054) ○	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	2.200	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(BTL049) □	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	2.200	1500.000	1.760	.000	LREF 1290.3000 IN.
						BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100



EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 2.2)

(A)MACH = 4.50

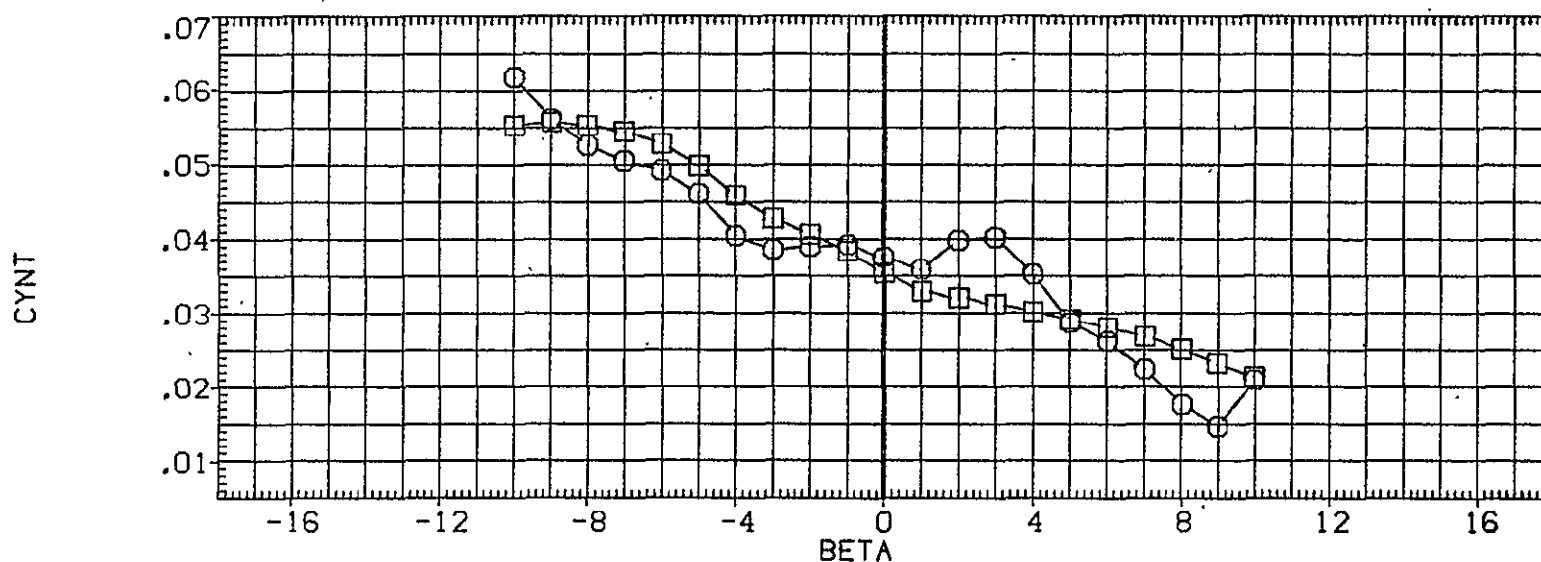
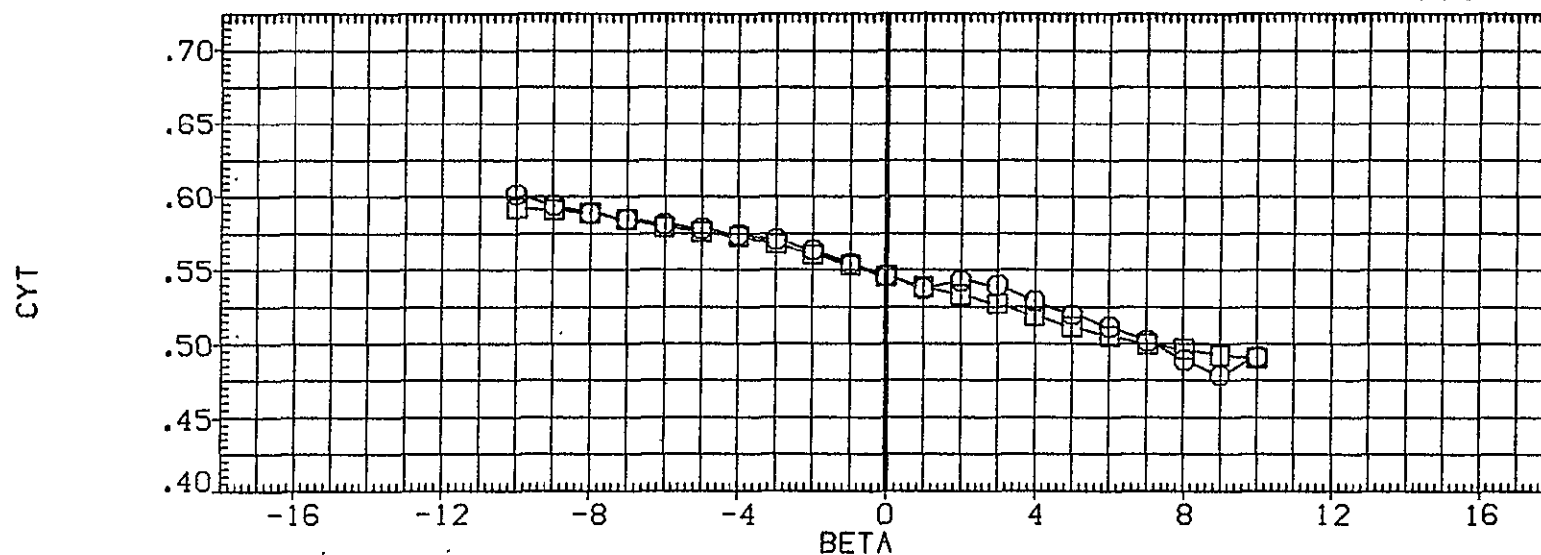
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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ056) ☐ AEDC YA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)
 (8TLO50) ☐ AEDC VA-422(1A-57), CRB/ET W/BOTH SRB

SRBPOS PT-JET RN/L
 2.200 1500.000 1.760
 2.200 1500.000 1.760

ALPHA
 .000
 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 2.2)

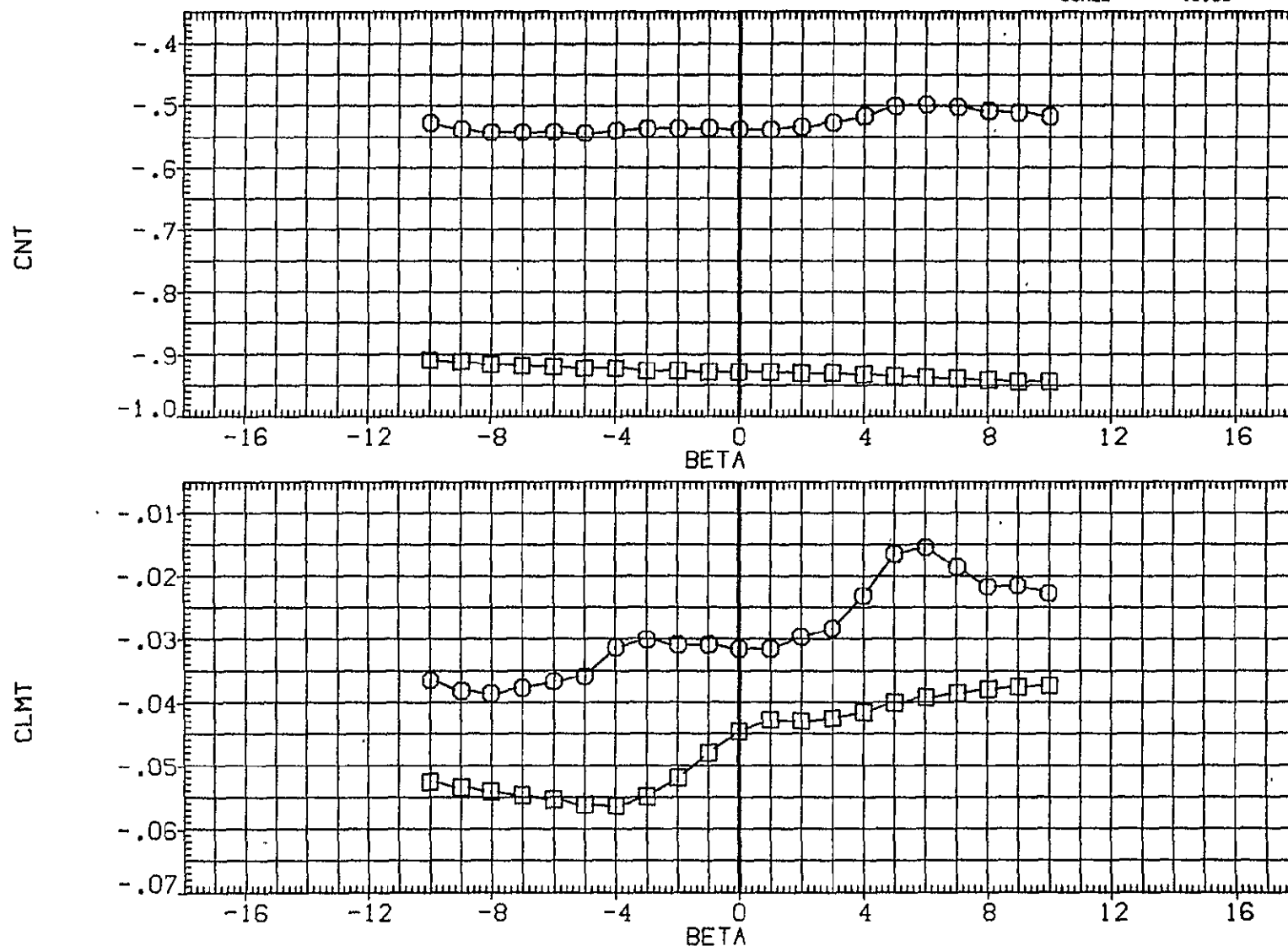
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ056) ○ AEDC VA422 IA61 01ET151 SRB DATA (O/ET SEPRING)
 (BTLO50) □ AEDC VA-422(IA-57), ORB/ET W/BOTH SRB

SRBPOS PT-JET RN/L ALPHA
 2.200 1500.000 1.760 .000
 2.200 1500.000 1.760 .000



REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 2.2)

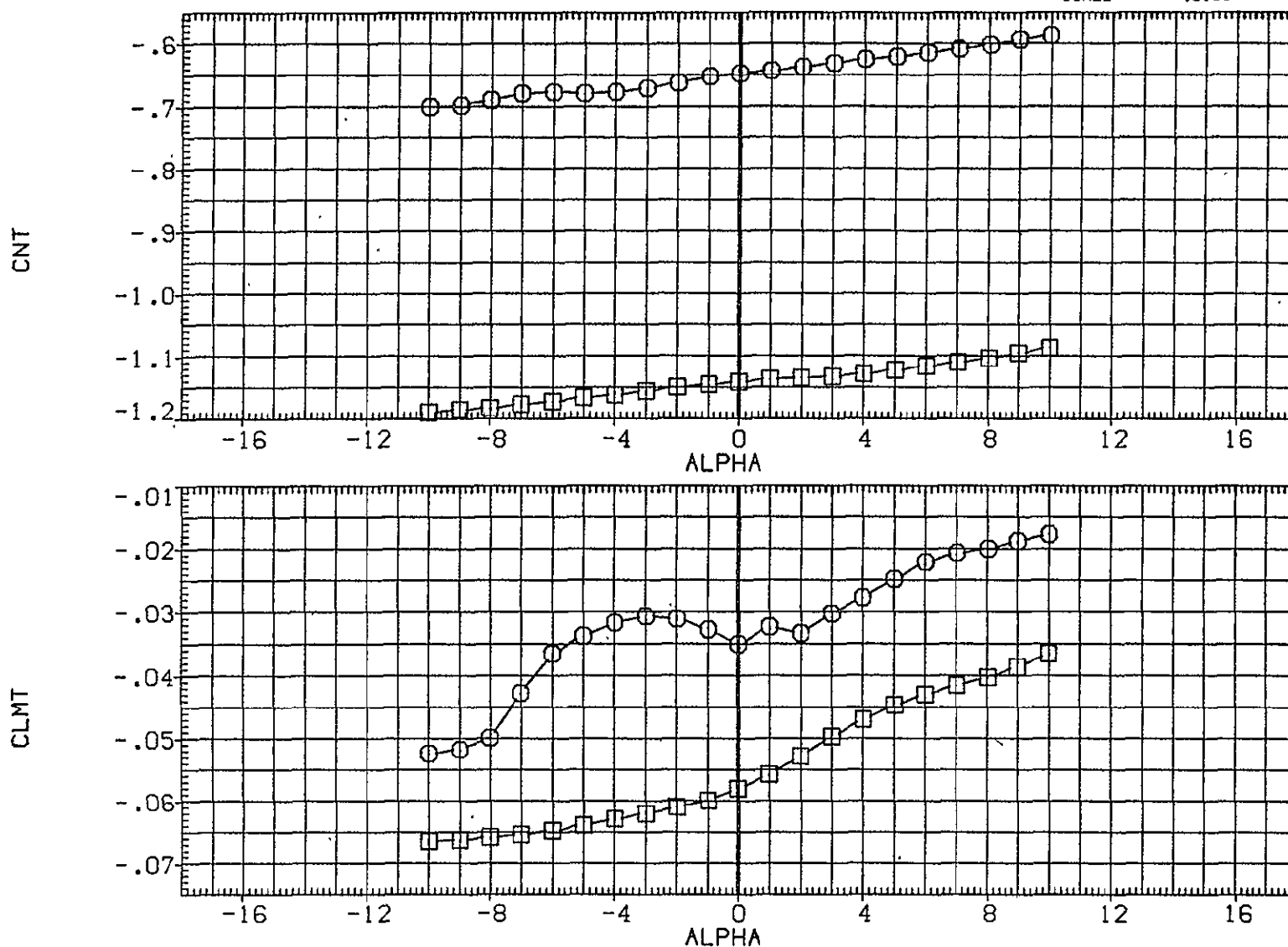
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0050)  AE0C VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)
 (BTLO43)  AE0C VA-422(1A-57), 0RB/ET W/B0TH SRB

SRBPOS PT-JET RN/L BETA
 2.200 1500.000 1.400 .000
 2.200 1500.000 1.400 .000



REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRF 1167.0000 IN.XS
 YMRF .0000 IN.YS
 ZMRF 400.0000 IN.ZS
 SCALE .0100



EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 2.2)

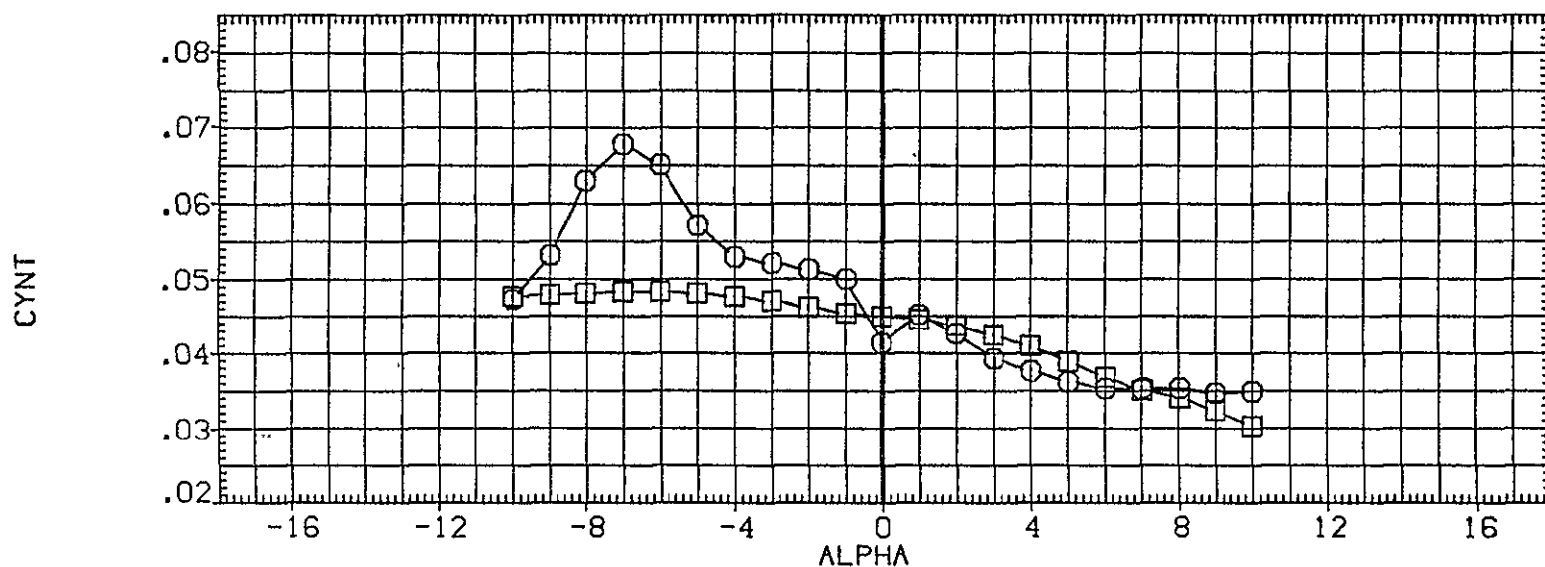
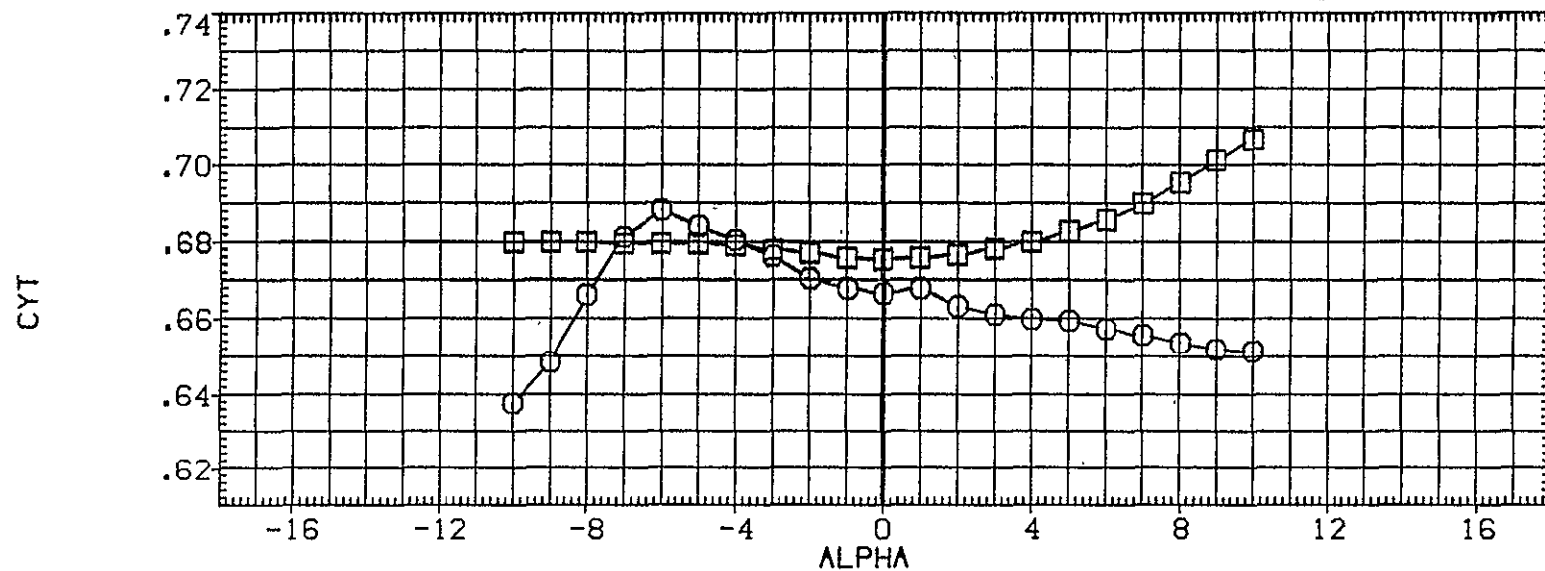
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ050)  AEDC VA422 (A61 01ET1S) SRB DATA (O/ET SEPRNG)
 (BTL043)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

SRBPOS PT-JET RN/L BETA
 2.200 1500.000 1.400 .000
 2.200 1500.000 1.400 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



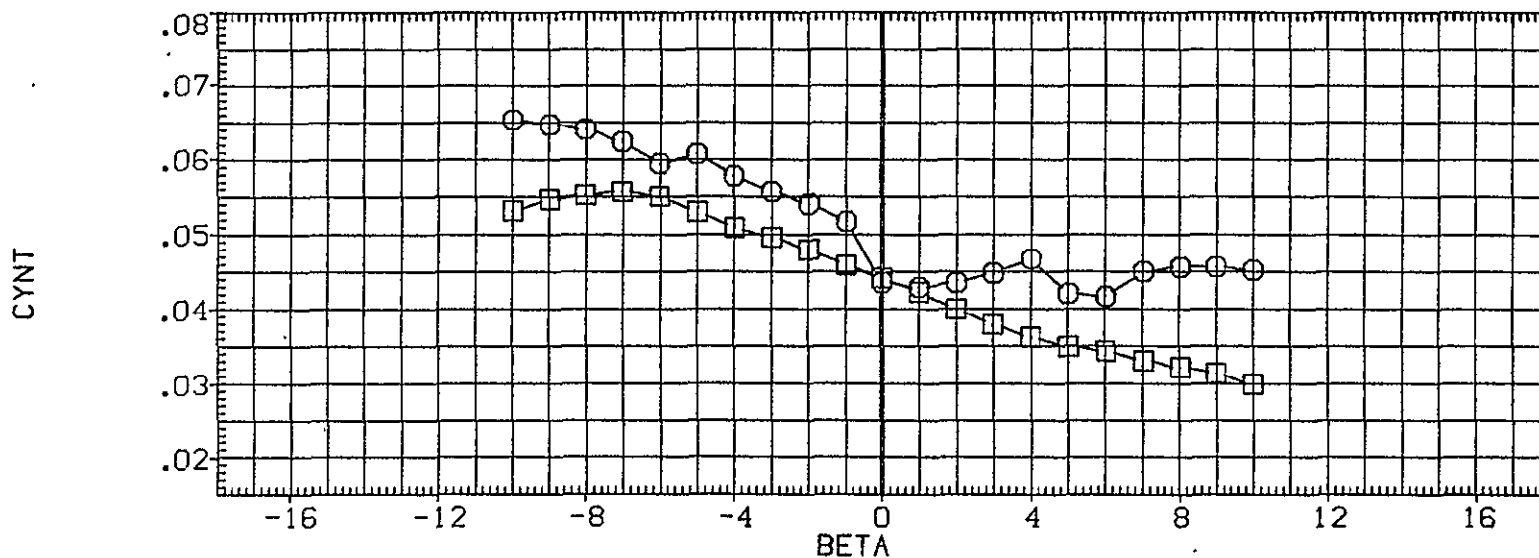
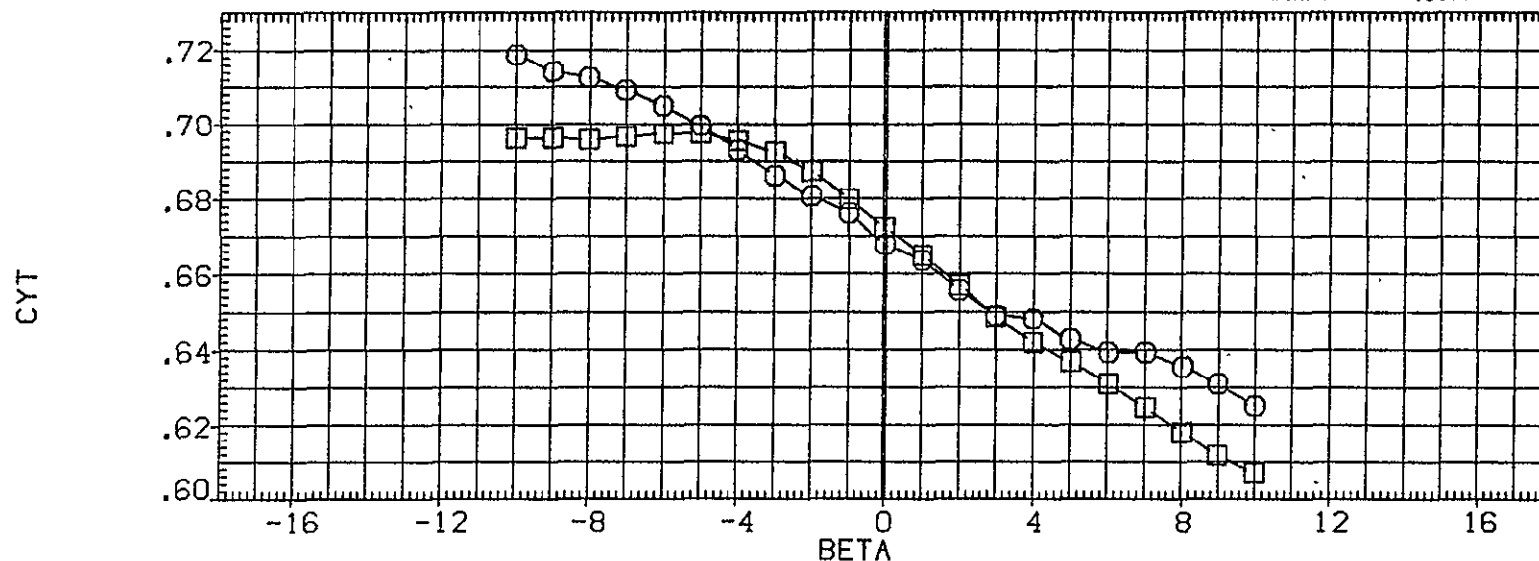
EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 2.2)

(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ051) AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)
 (BTLO44) AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB

SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
2.200	1500.000	1.400	.000	SREF	2690.0000	SQ.FT.
2.200	1500.000	1.400	.000	LREF	1290.3000	IN.
				BREF	1290.3000	IN.
				XMRP	1167.0000	IN.XS
				YMRP	.0000	IN.YS
				ZMRP	400.0000	IN.ZS
				SCALE	.0100	

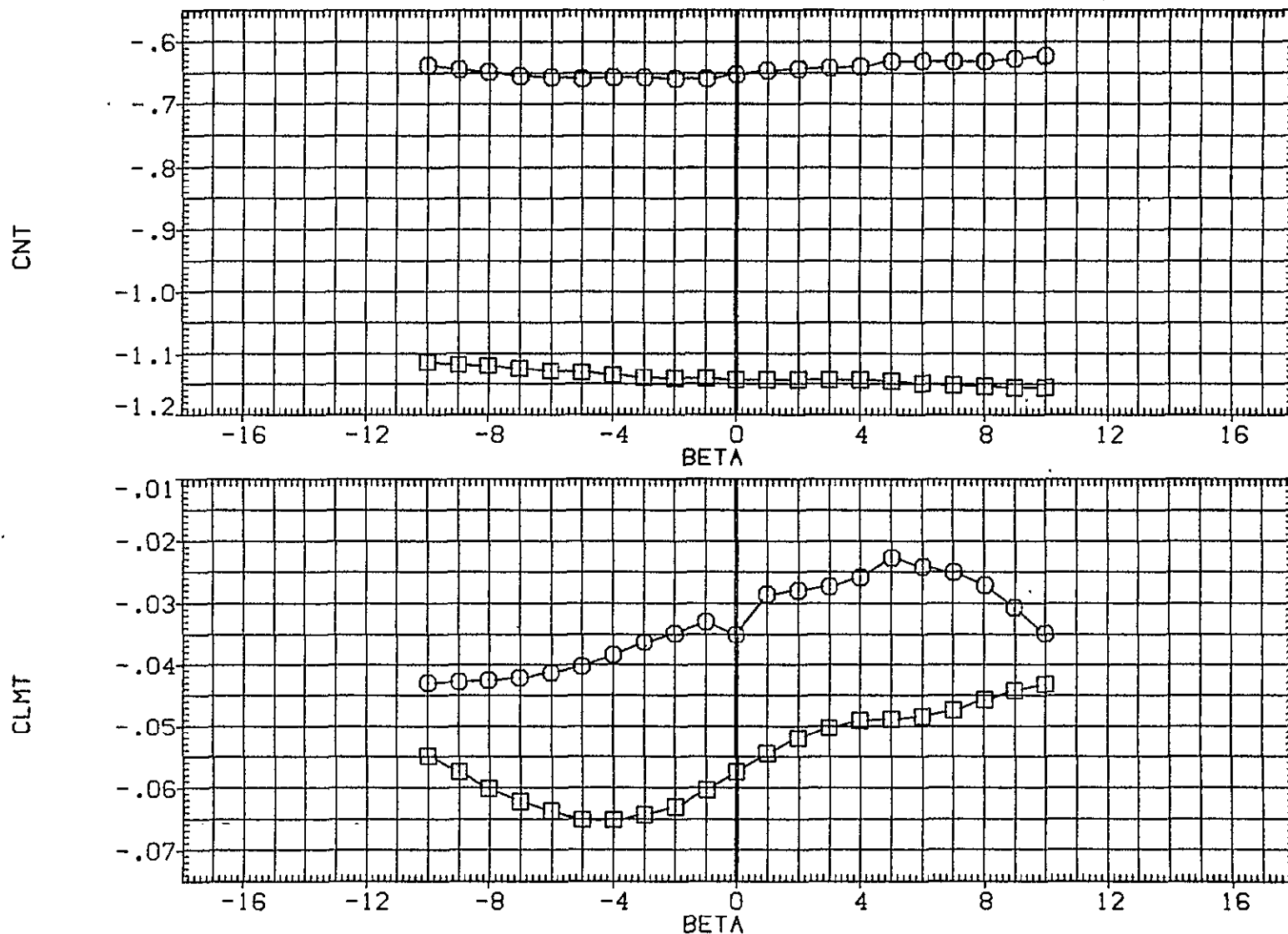


EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 2.2)

(A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0051) ○ AEDC VA422 (A61 01ET1S1 SRB DATA (O/ET SEPRNG)
 (BTLO44) □ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
2.200	1500.000	1.400	.000	SREF	2690.0000 SQ.FT.
2.200	1500.000	1.400	.000	LREF	1290.3000 IN.
				BREF	1290.3000 IN.
				XMRP	1167.0000 IN.XS
				YMRP	.0000 IN.YS
				ZMRP	400.0000 IN.ZS
				SCALE	.0100

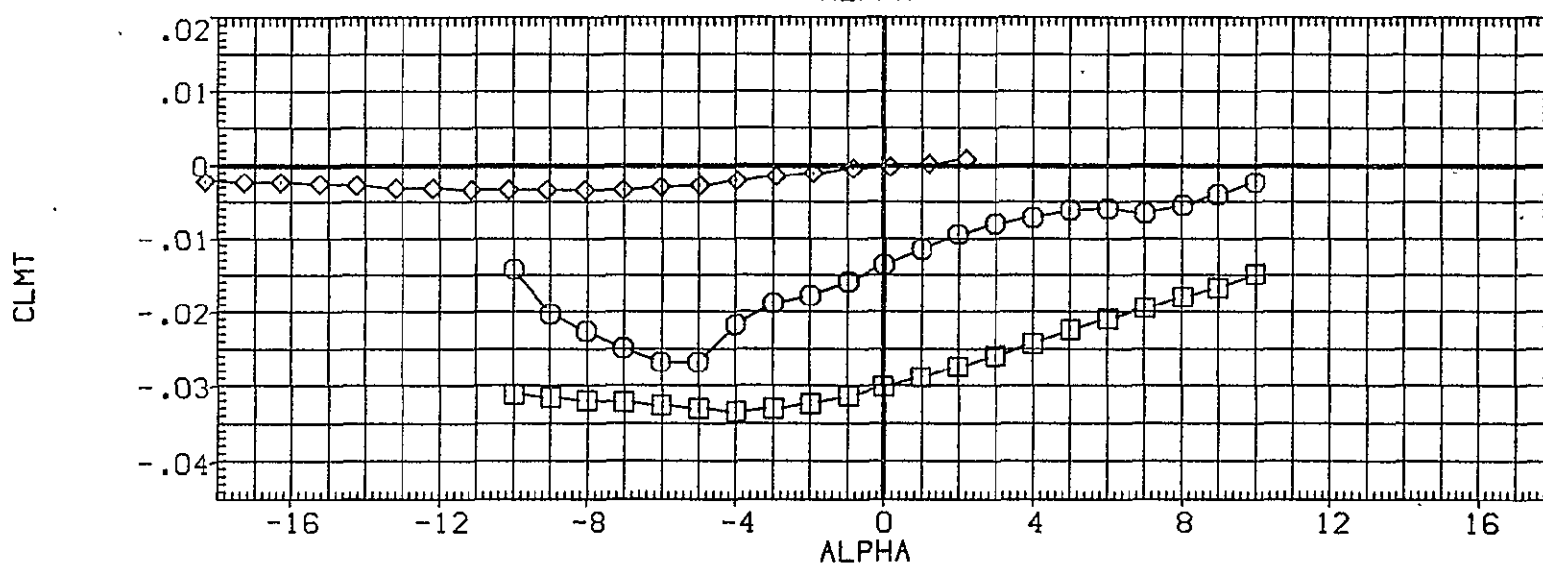
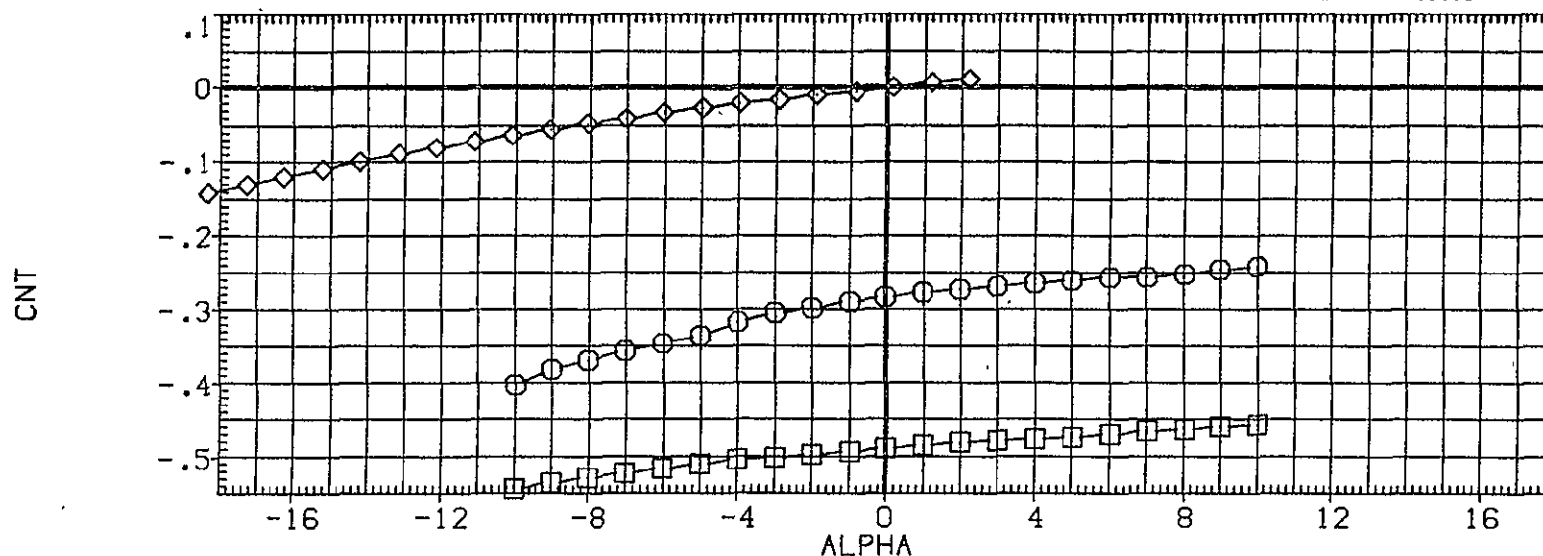


EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 2.2)

(A)MACH = 4.50

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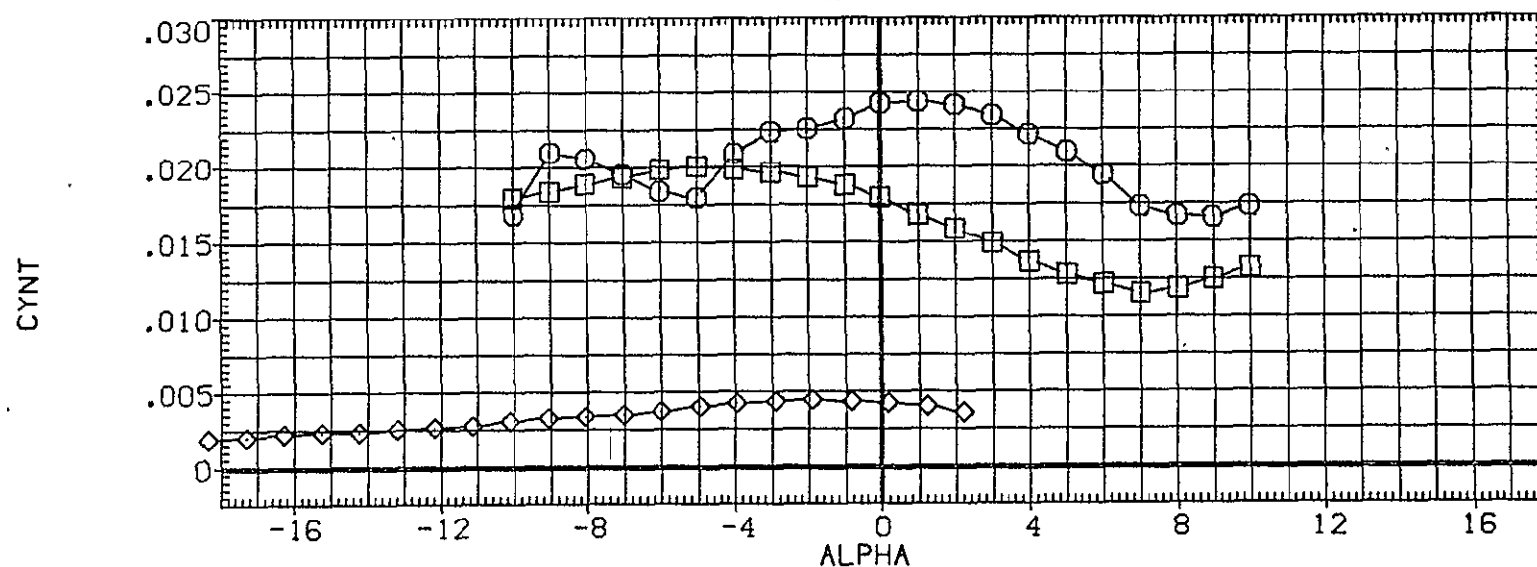
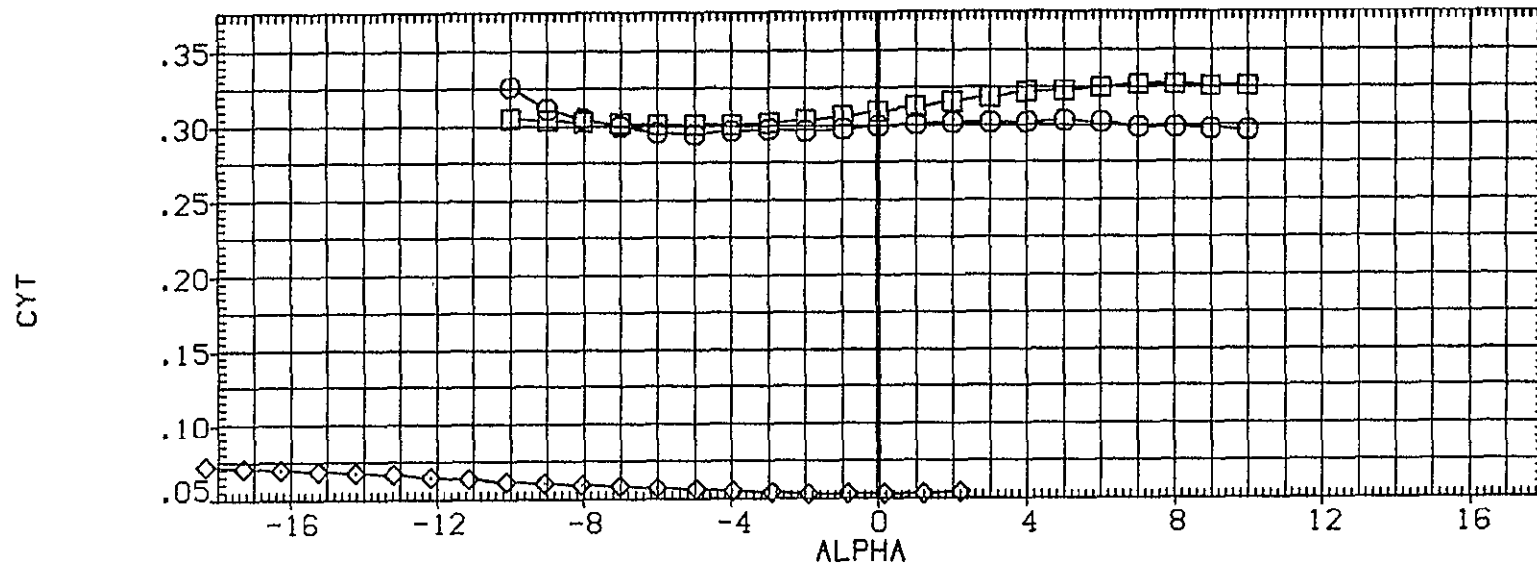
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(STQ089)	AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)	3.300	750.000	1.760	.000	SREF	2690.0000	50.FT.
(BTL058)	AEDC VA-422(1A-57), 0RB/ET W/00TH SRB	3.300	750.000	1.760	.000	LREF	1290.3000	IN.
(STQ012)	AEDC VA422 1A61 S1 RIGHT AND LEFT SRB	3.300	.000	1.760	.000	BREF	1290.3000	IN.
						XMRP	1167.0000	IN.XS
						YMRP	.0000	IN.YS
						ZMRP	400.0000	IN.ZS
						SCALE	.0100	



EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 3.3)

(A)MACH = 4.50



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(ST0069)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	3.300	750.000	1.760	.000	SREF	2690.0000 SQ.FT.
(BTL058)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	3.300	750.000	1.760	.000	LREF	1290.3000 IN.
(ST0012)	AEDC VA422 1A61 S1 RIGHT AND LEFT SRB	3.300	.000	1.760	.000	BREF	1290.3000 IN.
						XMRP	1167.0000 IN.XS
						YMRP	.0000 IN.YS
						ZMRP	400.0000 IN.ZS
						SCALE	.0100



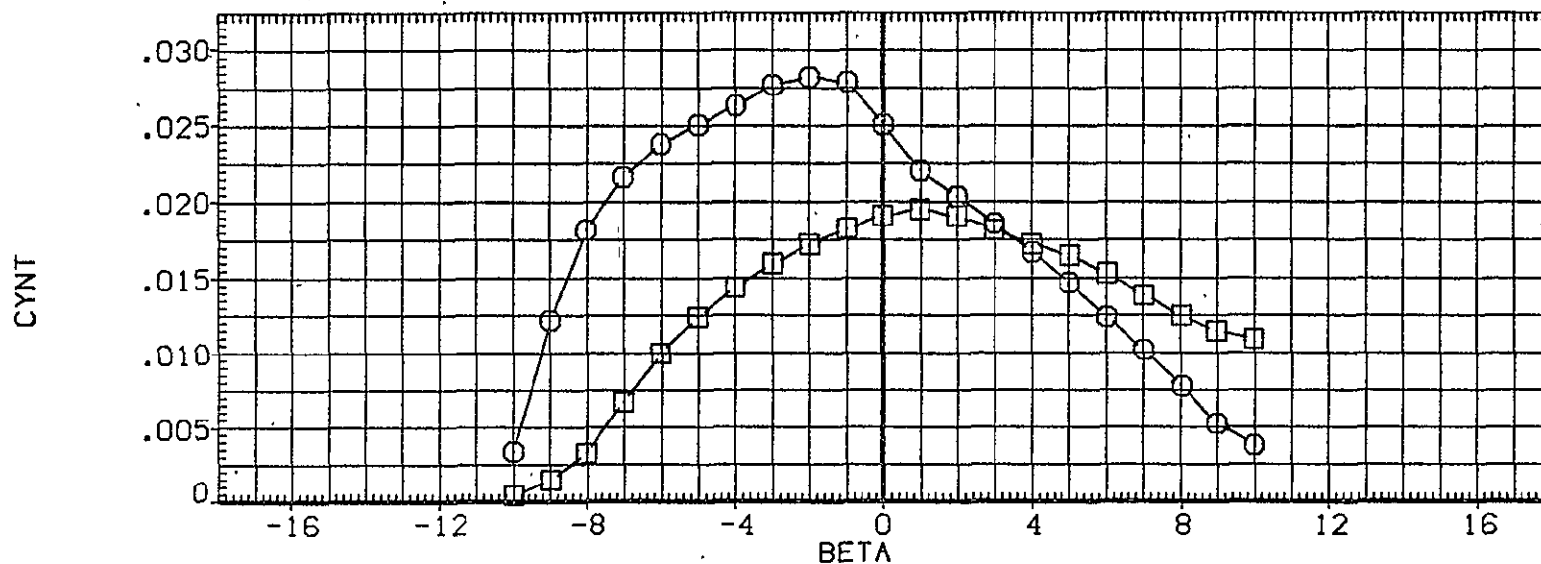
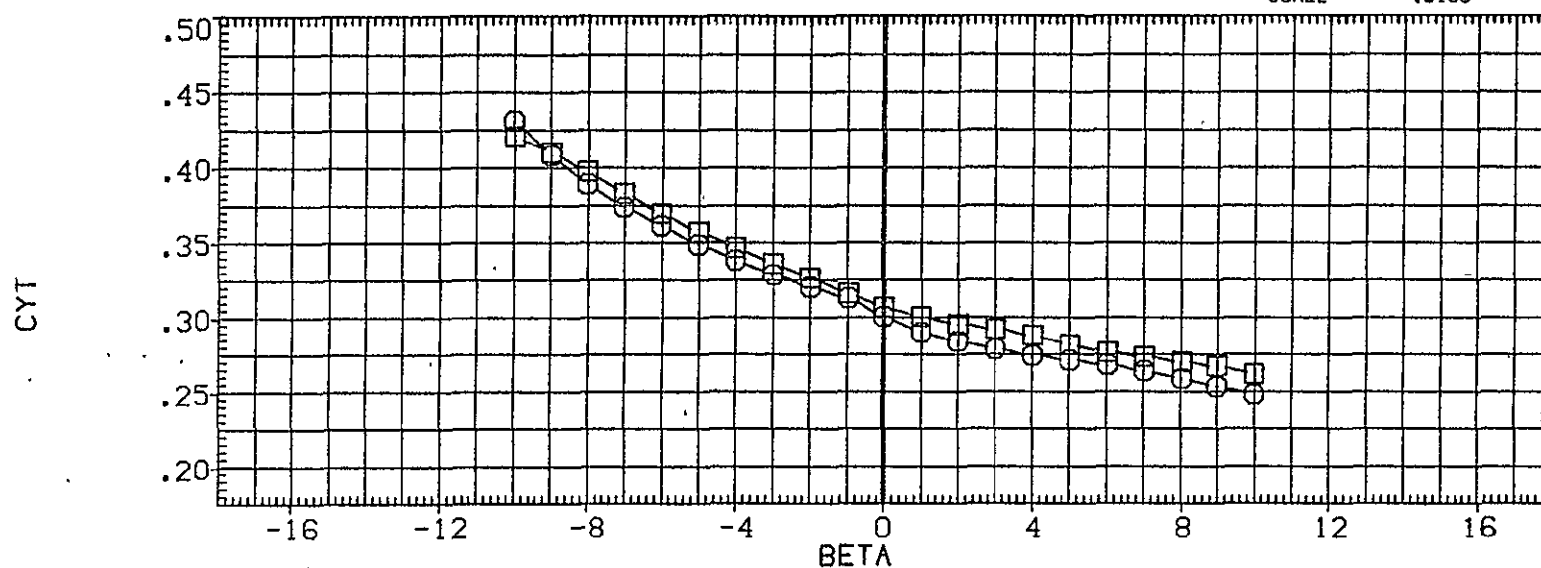
EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 3.3)

(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0070)  AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)
 (BTL059)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
3.300	750.000	1.760	.000	SREF	2690.0000	50.FT.
3.300	750.000	1.760	.000	LREF	1290.3000	IN.
				BREF	1290.3000	IN.
				XMRP	1167.0000	IN.XS
				YMRP	.0000	IN.YS
				ZMRP	400.0000	IN.ZS
				SCALE	.0100	

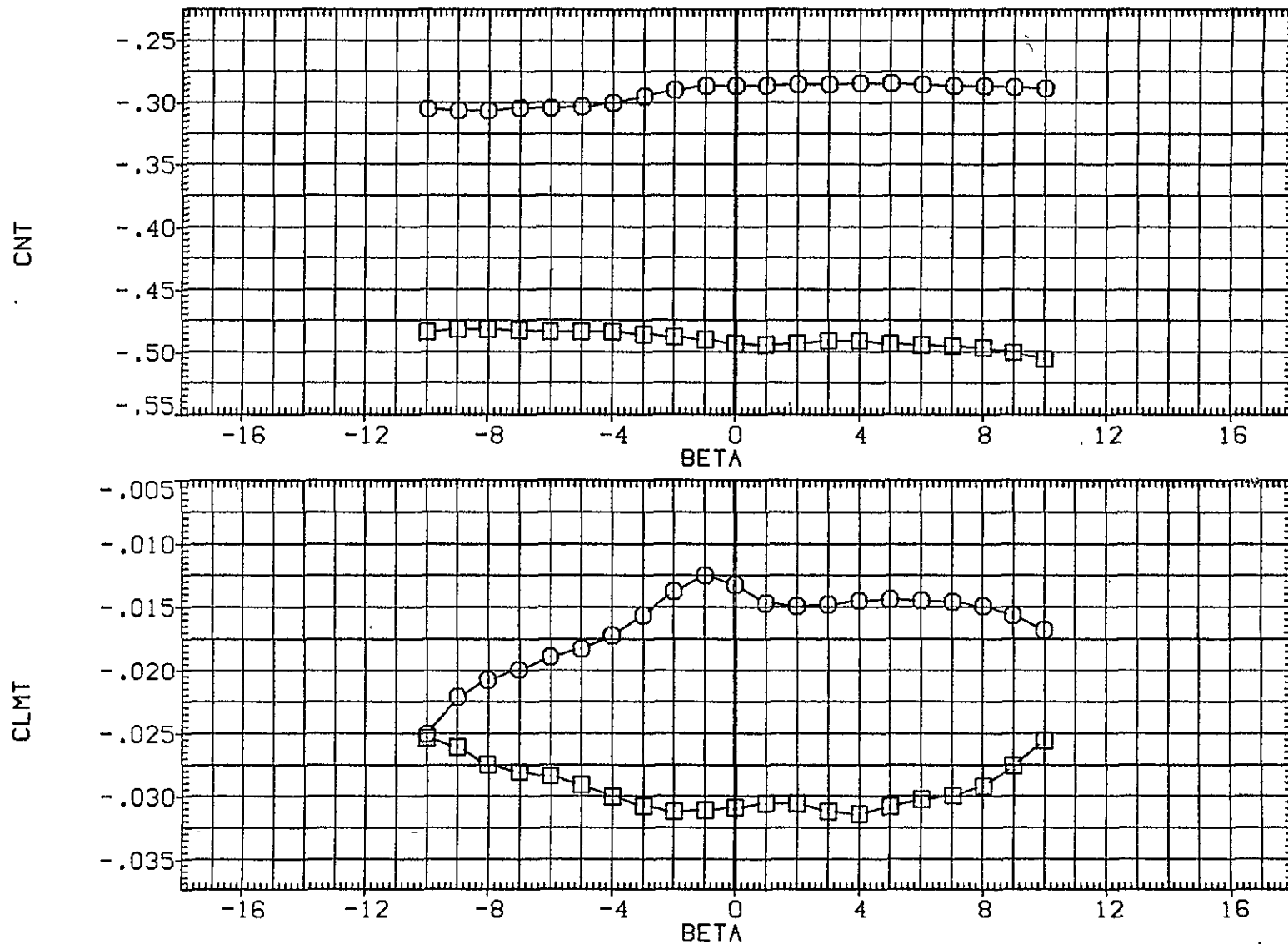


EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 3.3)

(A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ070)  AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)
 (BTL059)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
3.300	750.000	1.760	.000	SREF	2690.0000	50.FT.
3.300	750.000	1.760	.000	LREF	1290.3000	IN.
				BREF	1290.3000	IN.
				XMRP	1167.0000	IN.XS
				YMRP	.0000	IN.YS
				ZMRP	400.0000	IN.ZS
				SCALE	.0100	

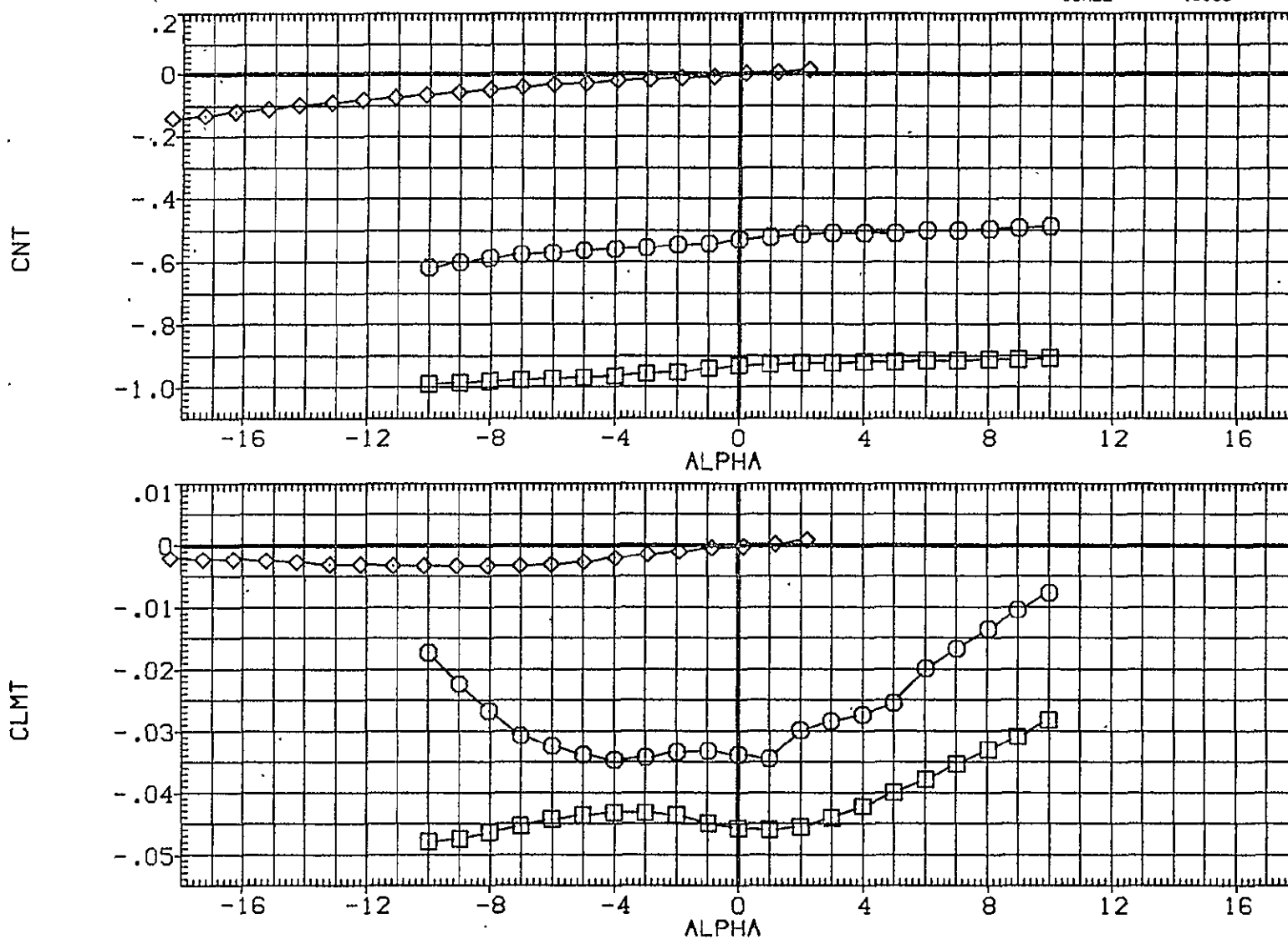


EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 3.3)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(ST0071)	AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)	3.300	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(BTLO60)	AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB	3.300	1500.000	1.760	.000	LREF	1290.3000	IN.
(ST0012)	AEDC VA422 1A61 S1 RIGHT AND LEFT SRB	3.300	.000	1.760	.000	BREF	1290.3000	IN.
						XMRP	1167.0000	IN.XS
						YMRP	.0000	IN.YS
						ZMRP	400.0000	IN.ZS
						SCALE	.0100	

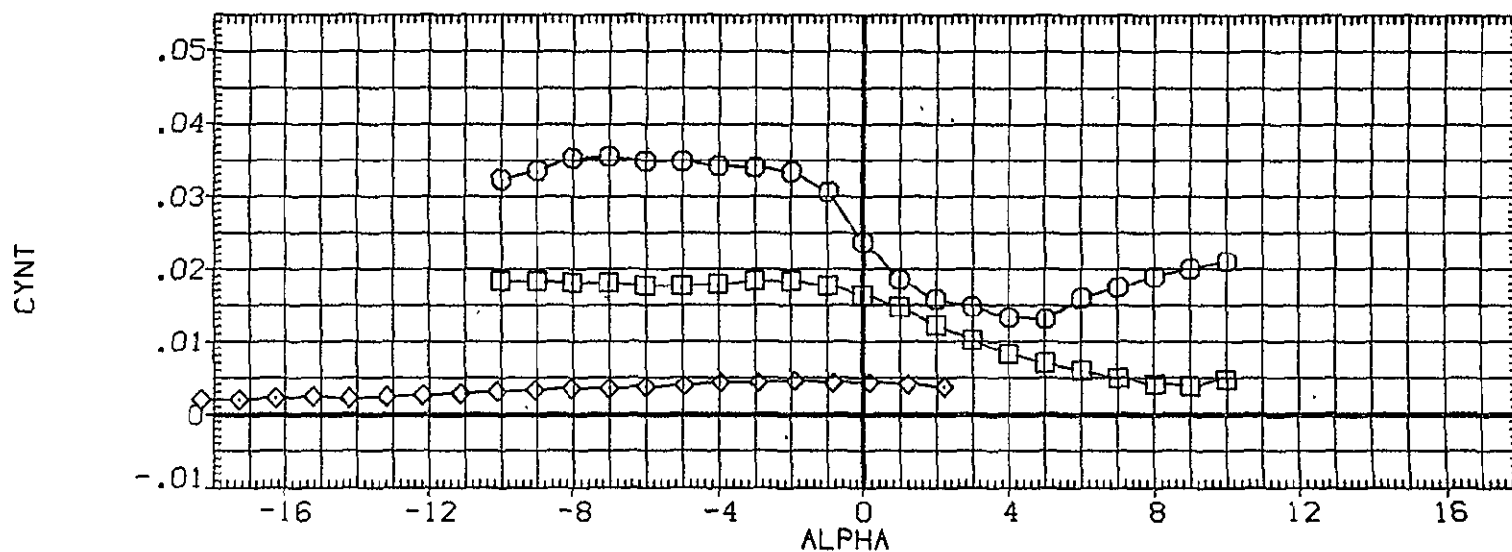
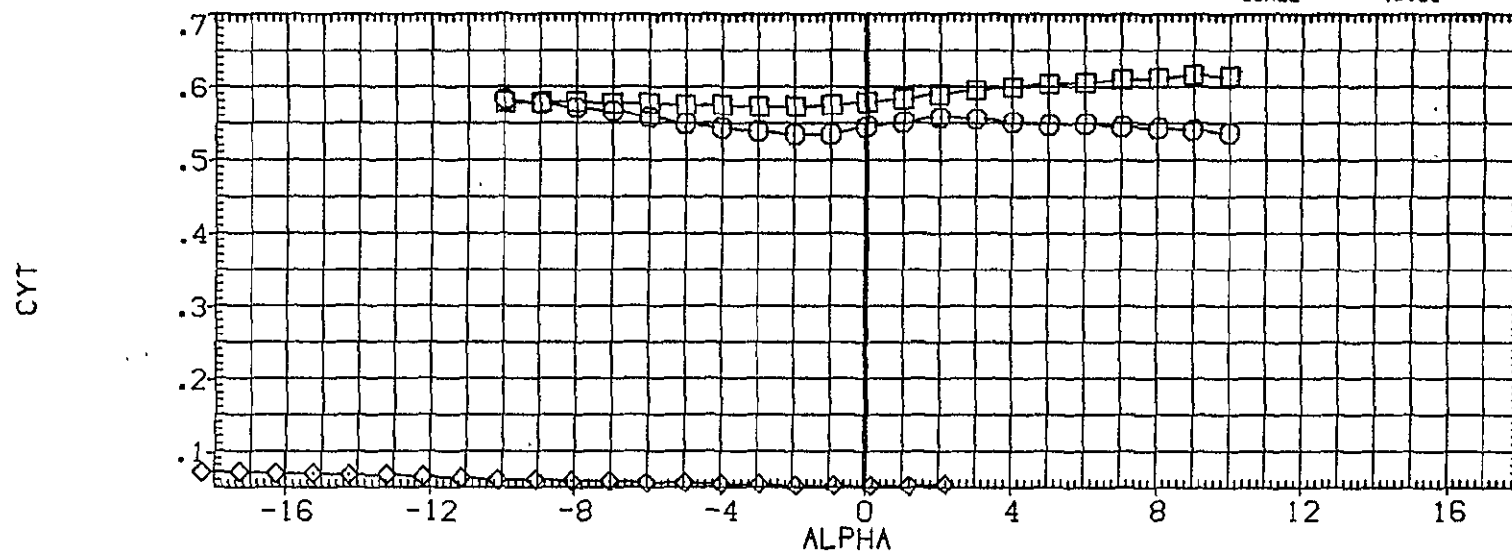


EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 3.3)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(ST0071)	□ AEDC VA422 IA61 01ET1S1 SRB DATA (O/ET SEPRNG)	3.300	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(BTL060)	◇ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	3.300	1500.000	1.760	.000	LREF	1290.3000 IN.
(ST0012)	◇ AEDC VA422 IA61 S1 RIGHT AND LEFT SRB	3.300	.000	1.760	.000	BREF	1290.3000 IN.
						XMRP	1167.0000 IN.XS
						YMRP	.0000 IN.YS
						ZMRP	400.0000 IN.ZS
						SCALE	.0100



EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 3.3)

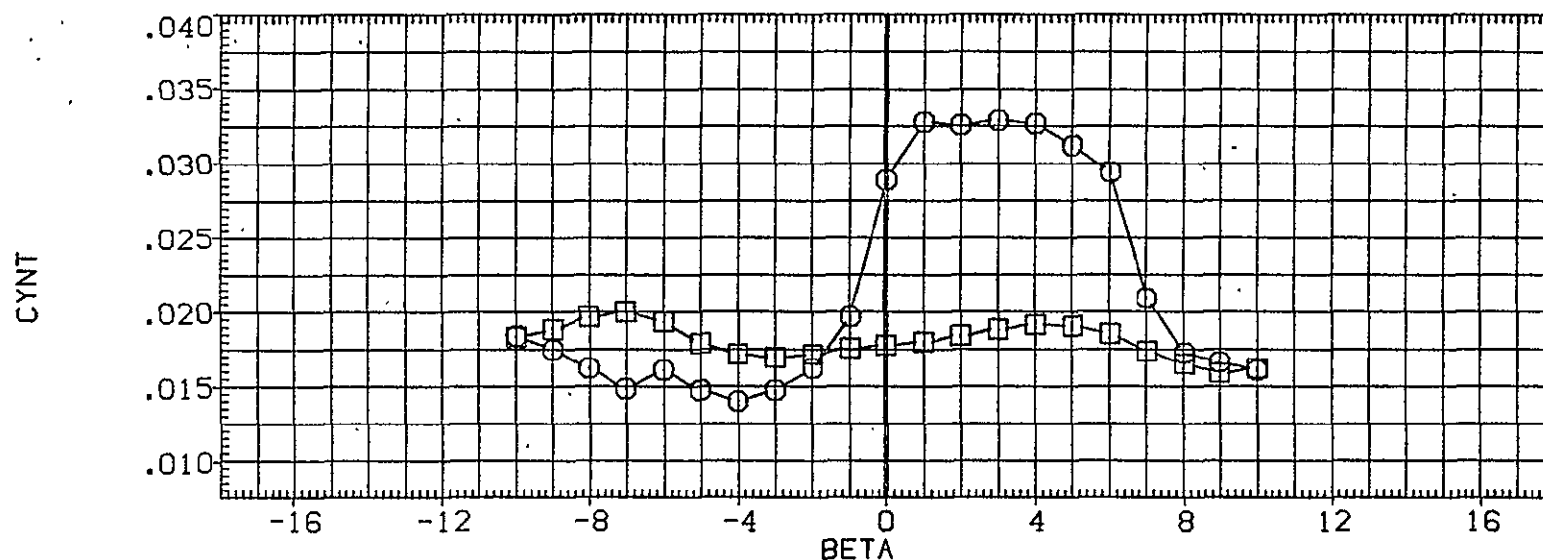
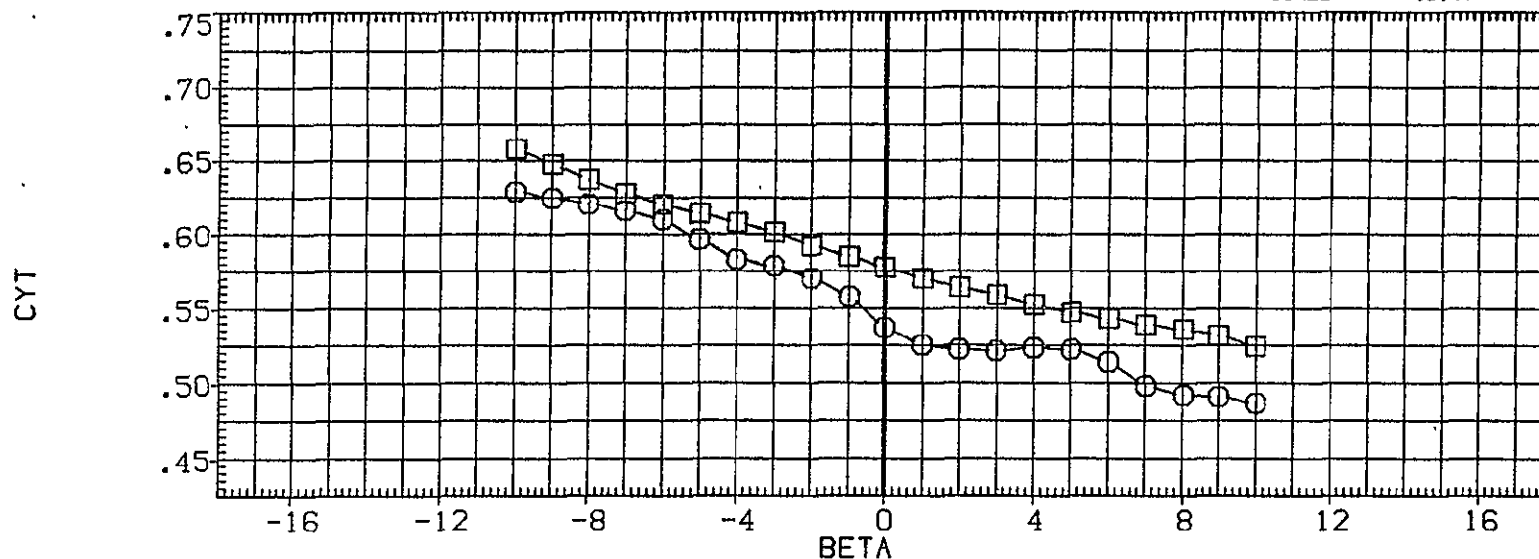
(A)MACH = 4.50

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SRBPOS	PT-JET	RN/L
3.300	1500.000	1.760
3.300	1500.000	1.760

ALPHA
.000
.000

REFERENCE INFORMATION		
SGREF	2690.0000	SG.FT.
.REF	1290.3000	IN.
REF	1290.3000	IN.
CMRP	1167.0000	IN.XS
CMRP	.0000	IN.YS
CMRP	400.0000	IN.ZS
SCALE	.0100	



EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 3.3)

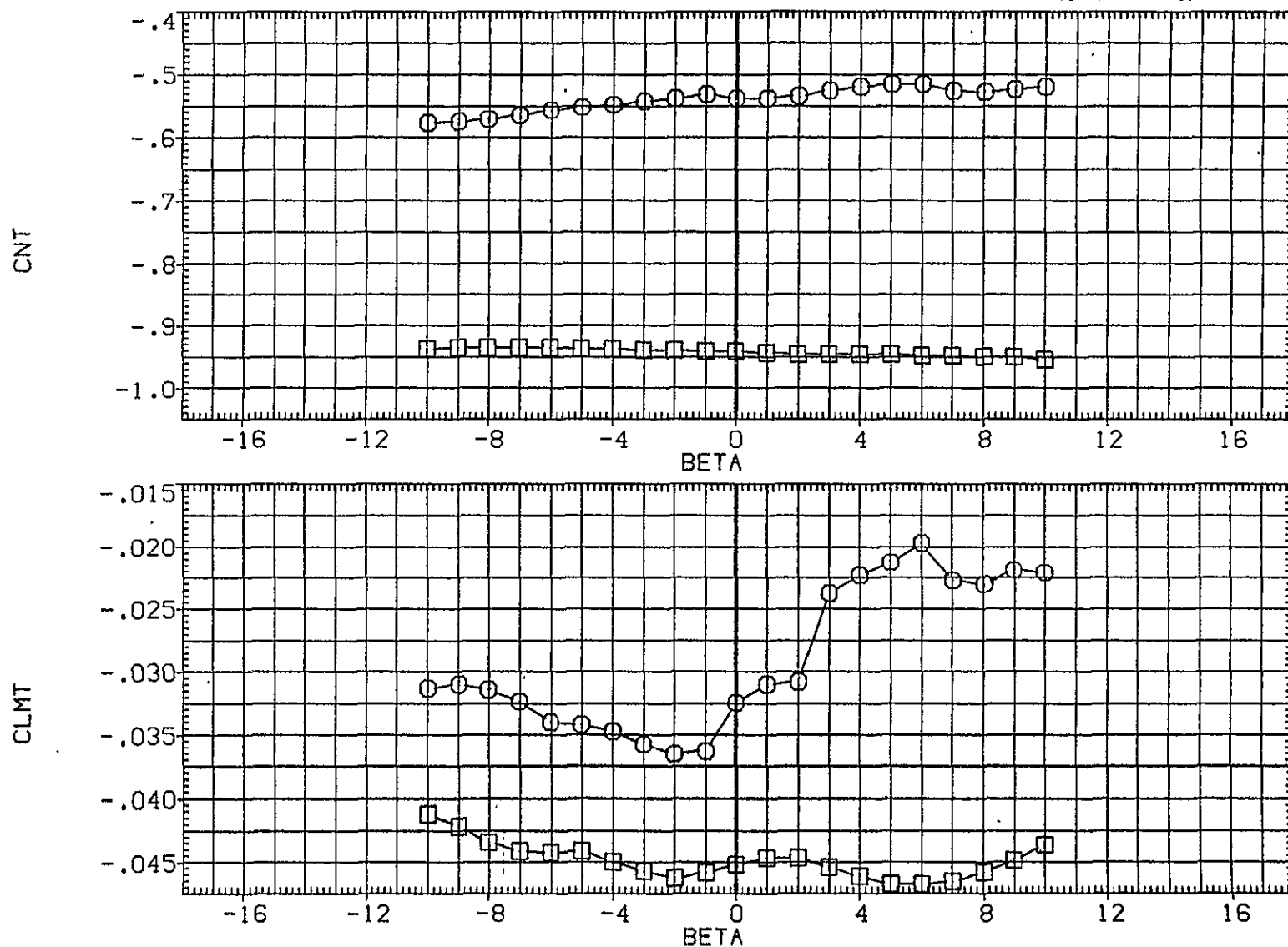
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0072) ○ AEDC VA422 IA61 01ET1S1 SRB DATA (O/ET SEPRTING)
 (BTLO61) □ AEDC VA-422(IA-57), ORB/ET W/BOTH SRB

SRBPOS PT-JET RN/L ALPHA
 3.300 1500.000 1.760 .000
 3.300 1500.000 1.760 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100

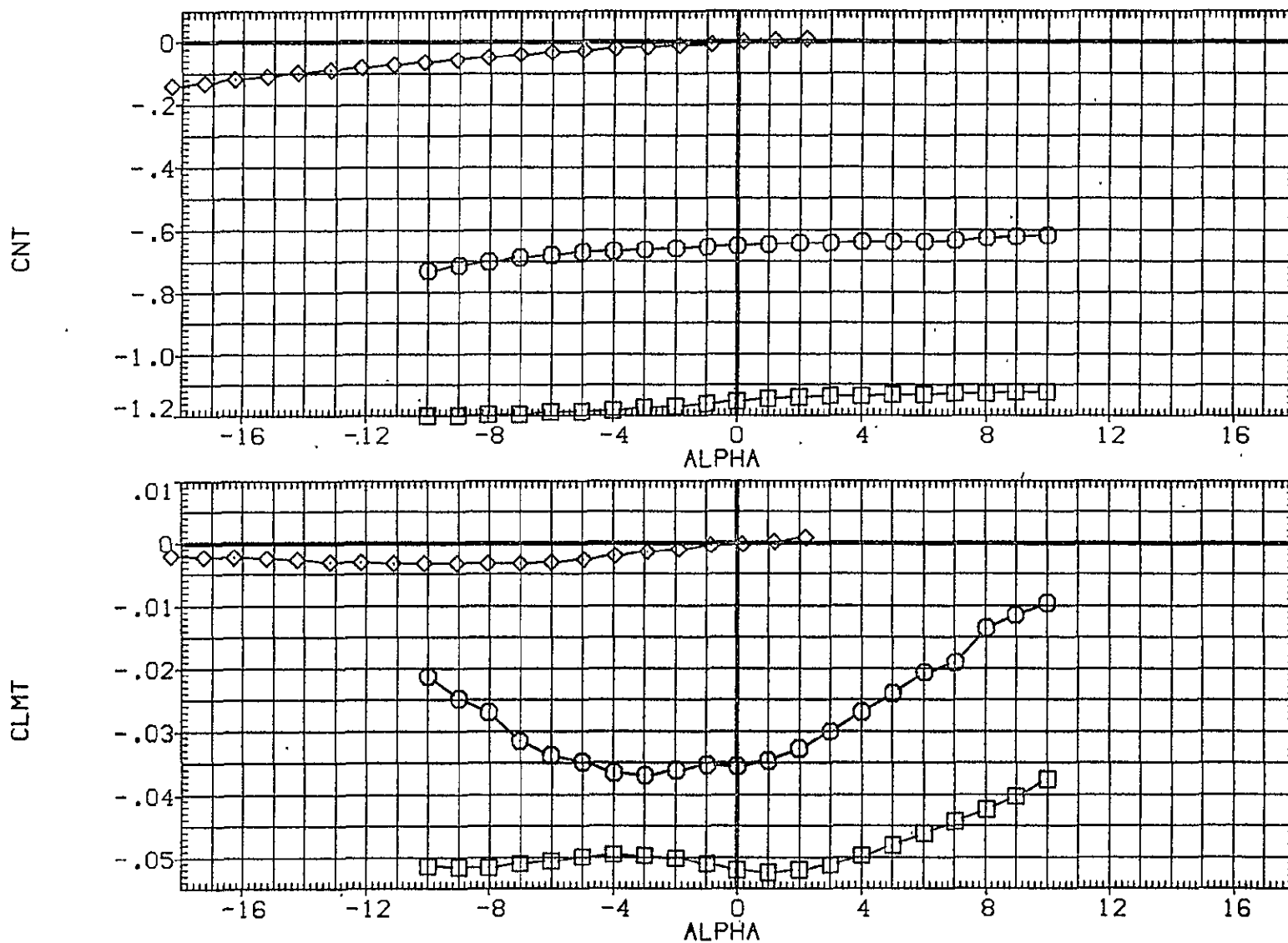


EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 3.3)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(ST0066)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	3.300	1500.000	1.400	.000	SREF	2690.0000	SQ.FT.
(BTL054)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	3.300	1500.000	1.400	.000	LREF	1290.3000	IN.
(ST0012)	AEDC VA422 1A61 S1 RIGHT AND LEFT SRB	3.300	.000	1.760	.000	BREF	1290.3000	IN.
						XMRP	1167.0000	IN.XS
						YMRP	.0000	IN.YS
						ZMRP	400.0000	IN.ZS
						SCALE	.0100	

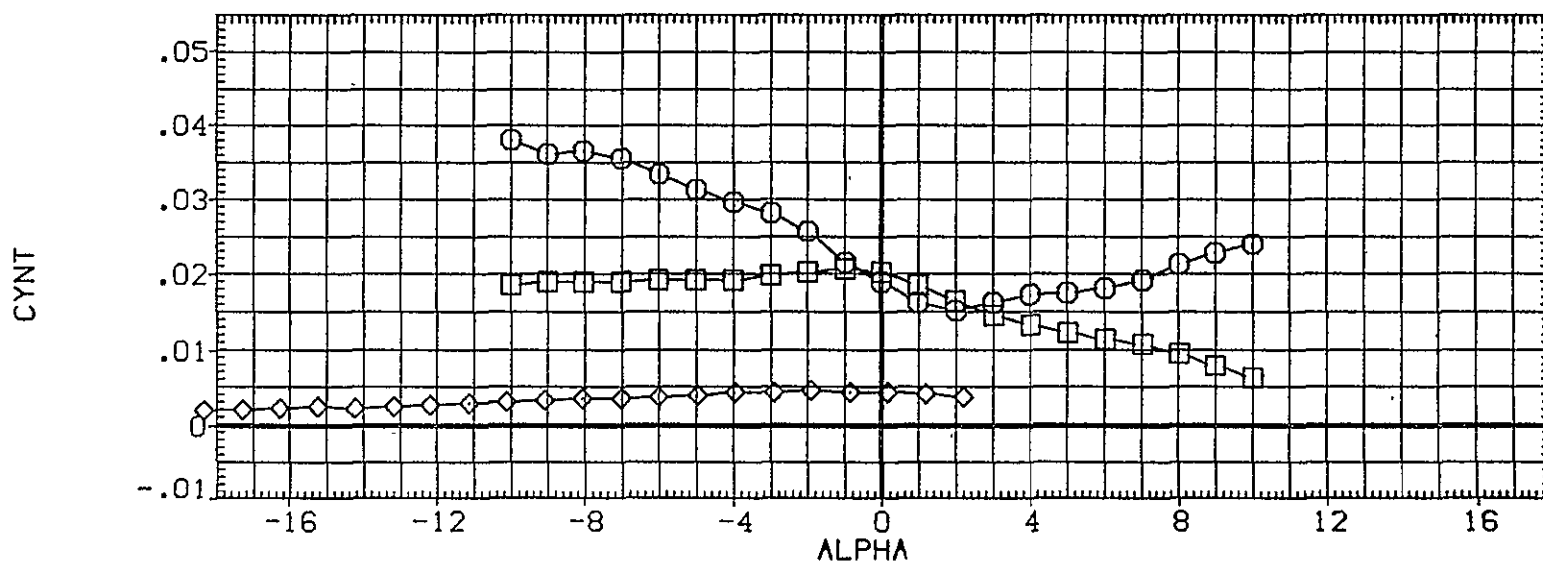
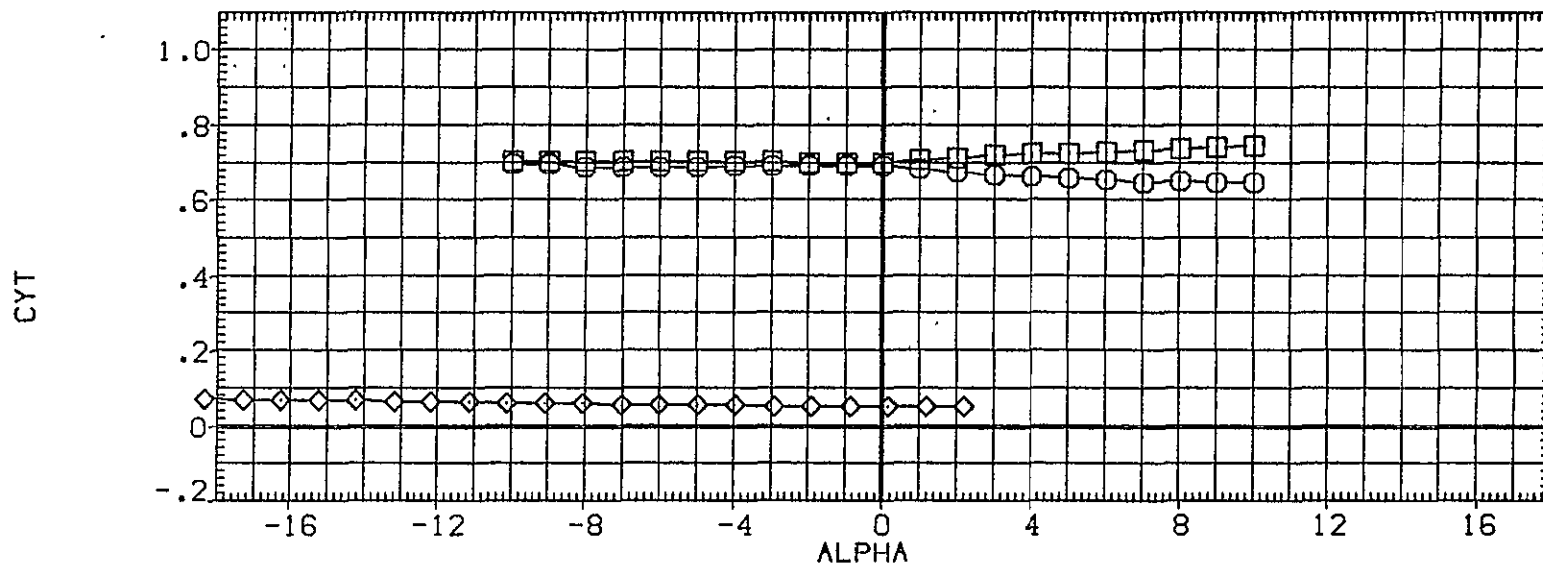


EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 3.3)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(ST0066)	○ AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)	3.300	1500.000	1.400	.000	SREF	2690.0000	50.FT.
(BTL054)	□ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	3.300	1500.000	1.400	.000	LREF	1290.3000	IN.
(ST0012)	◇ AEDC VA422 1A61 S1 RIGHT AND LEFT SRB	3.300	.0000	1.760	.000	BREF	1290.3000	IN.
						XMRP	1167.0000	IN.XS
						YMRP	.0000	IN.YS
						ZMRP	400.0000	IN.ZS
						SCALE	.0100	

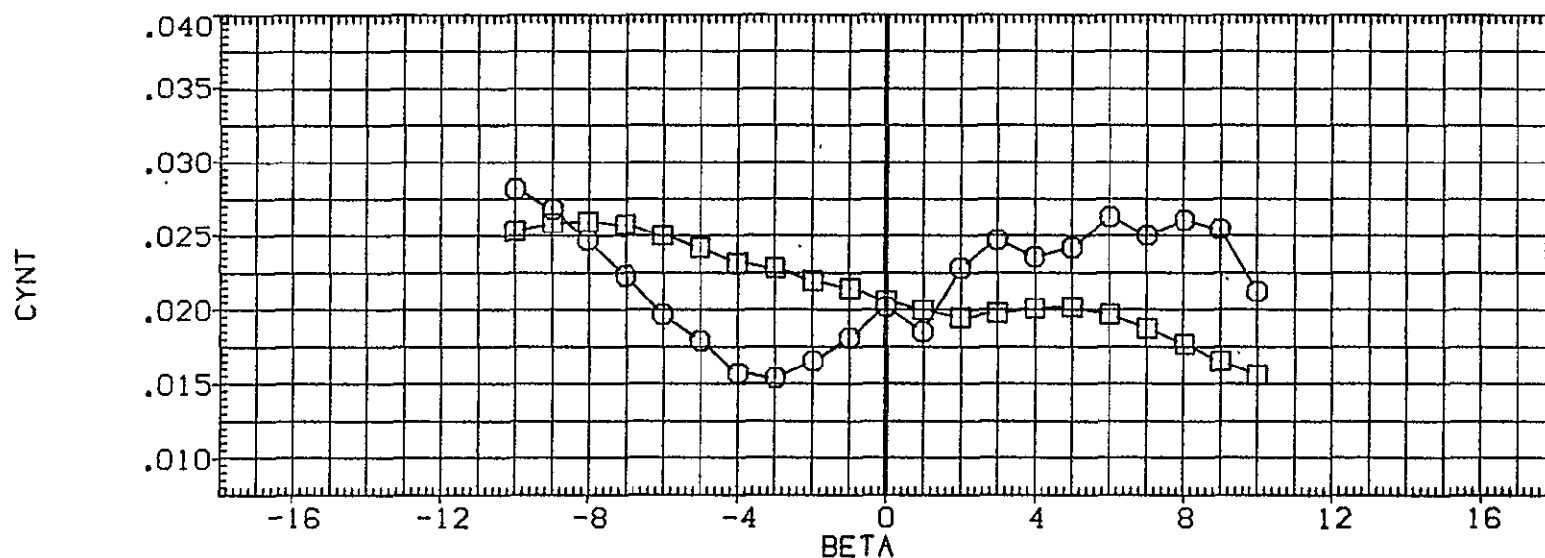
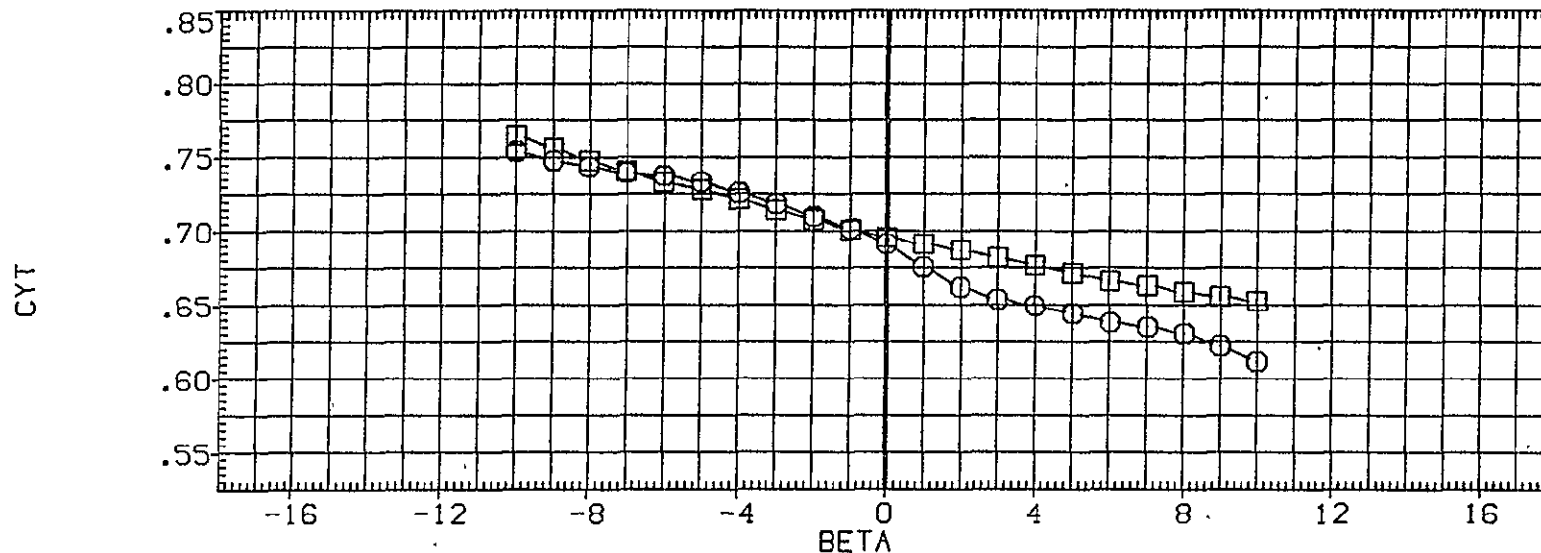


EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 3.3)

(A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0067) ○ AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)
 (BTLO55) □ AEDC VA-422(1A-57). ORB/ET W/BOTH SRB

SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
3.300	1500.000	1.400	.000	SREF	2690.0000	50.FT.
3.300	1500.000	1.400	.000	LREF	1290.3000	IN.
				BREF	1290.3000	IN.
				XMRP	1167.0000	IN.XS
				YMRP	.0000	IN.YS
				ZMRP	400.0000	IN.ZS
				SCALE	.0100	



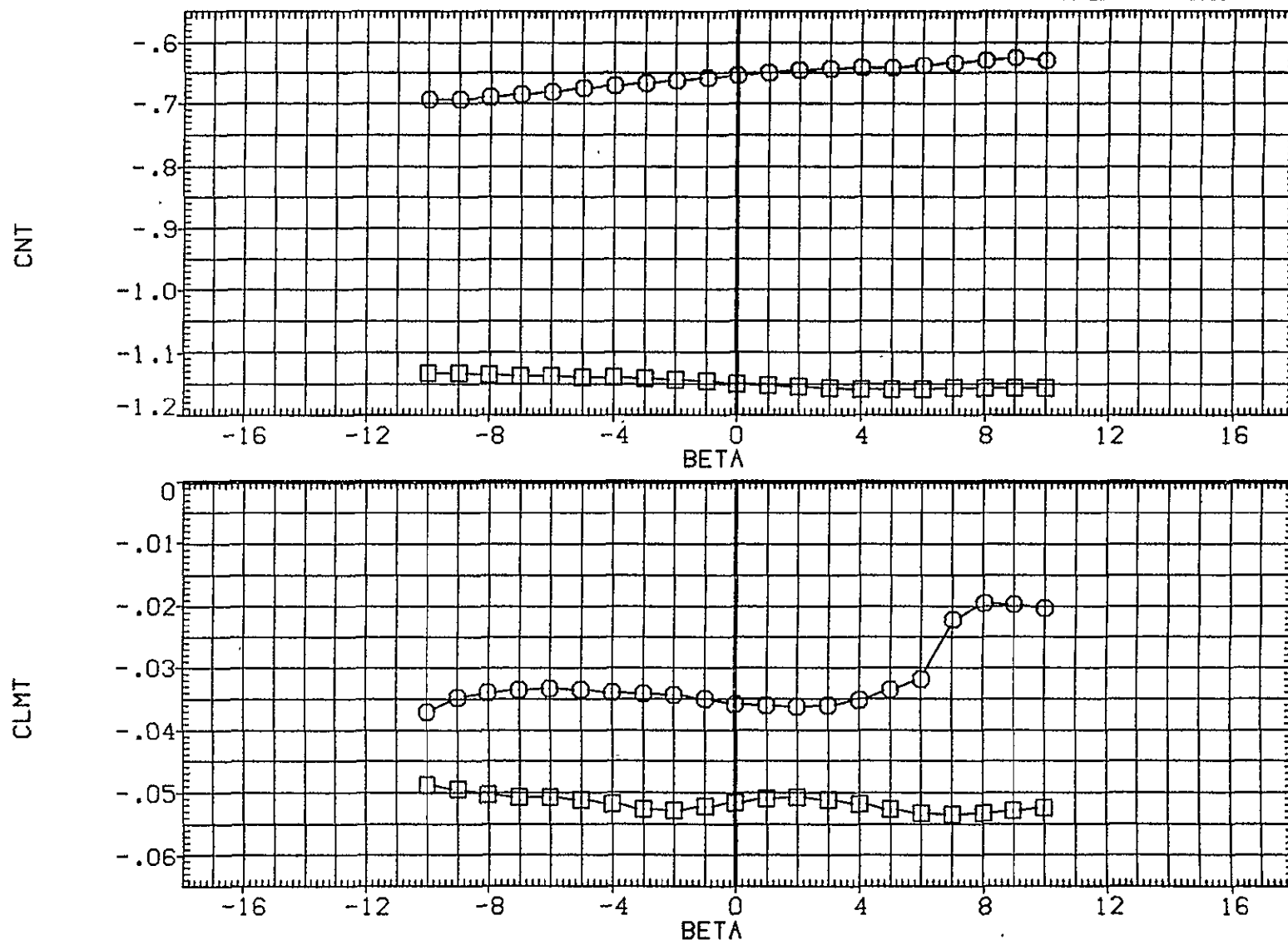
EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 3.3)

(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0067) ○ AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)
 (BTL055) □ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
3.300	1500.000	1.400	.000	SREF	2690.0000	SQ.FT.
3.300	1500.000	1.400	.000	LREF	1290.3000	IN.
				BREF	1290.3000	IN.
				XMRP	1167.0000	IN.XS
				YMRP	.0000	IN.YS
				ZMRP	400.0000	IN.ZS
				SCALE	.0100	

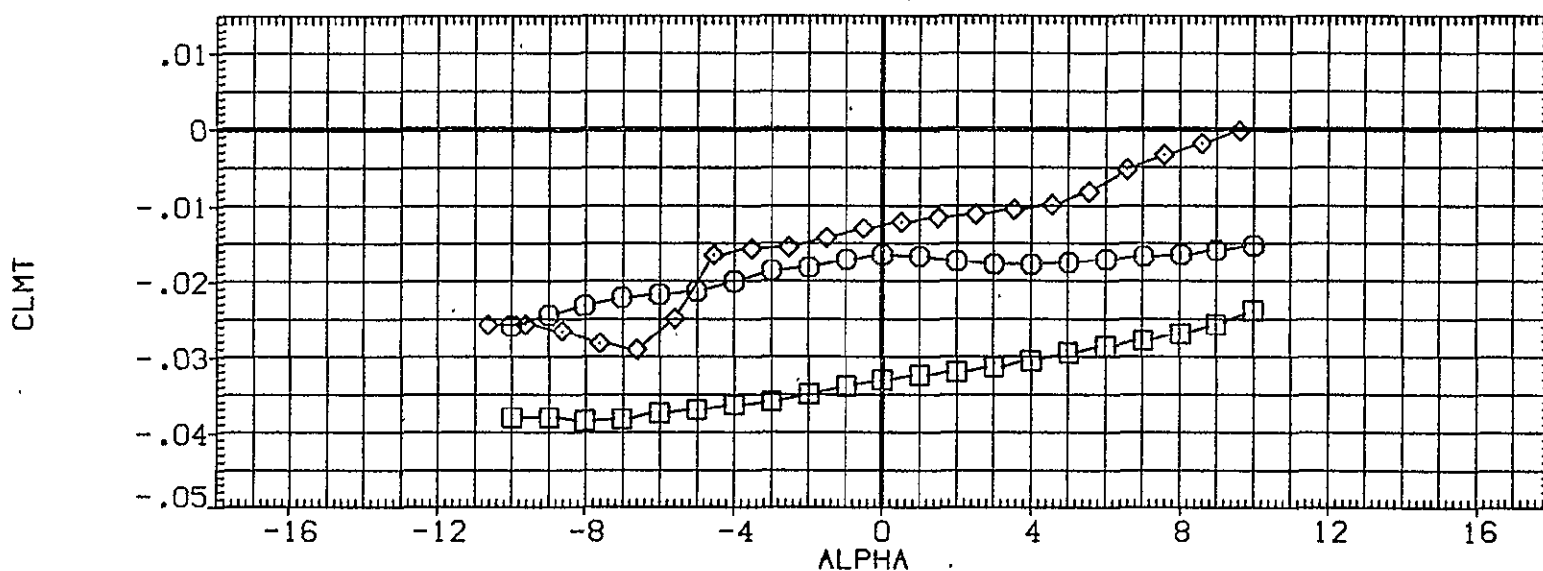
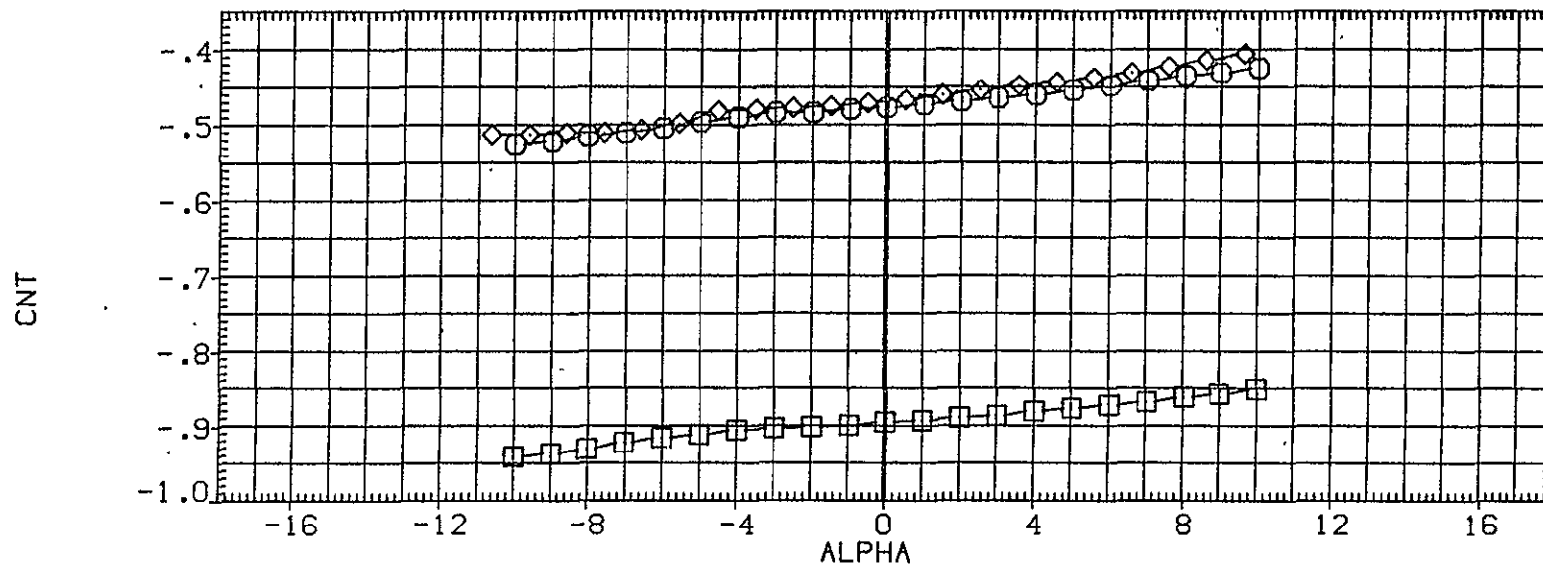


EFFECT OF BOTH SRB ENGINE PLUMES ON SRB AERO CHARACT. (SRB POS. 3.3)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(STQ015)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	.100	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(BTLO13)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.100	1500.000	1.760	.000	LREF 1290.3000 IN.
(ST0001)	AEDC VA422 1A61 S RIGHT SRB	.100	1500.000	1.760	.000	BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100

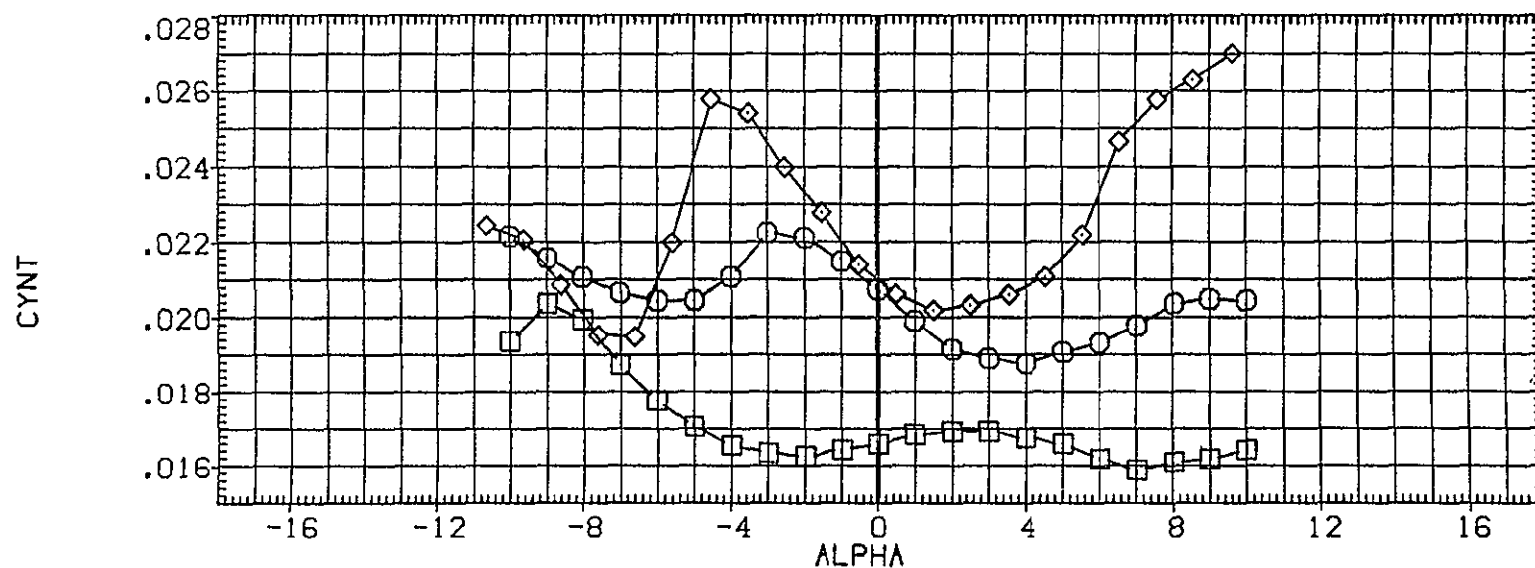
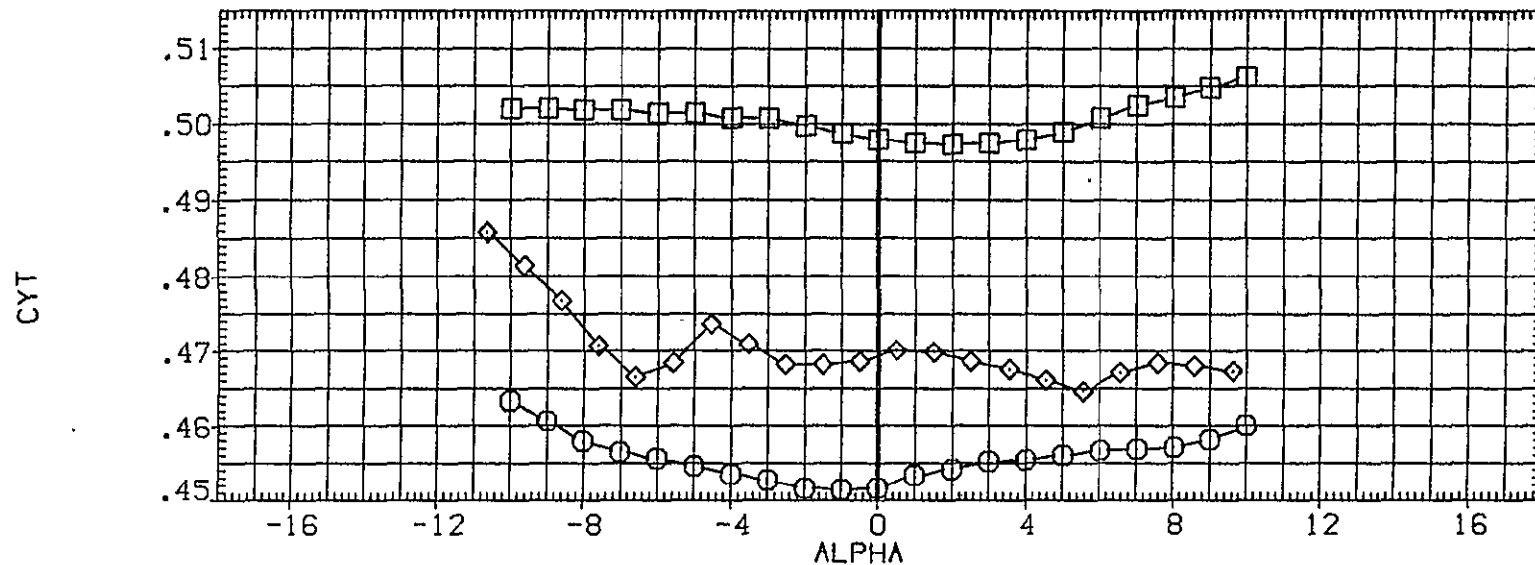


EFFECT OF ONLY ONE SRB ENGINE PLUME ON SRB AERO CHARACT. (SRB POS. 0.1)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(STQ015)	○ AEDC VA422 (A61 01ETIS1 SRB DATA (O/ET SEPRNG)	.100	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(BTLO13)	□ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.100	1500.000	1.760	.000	LREF 1290.3000 IN.
(STQ001)	◇ AEDC VA422 (A61 S RIGHT SRB	.100	1500.000	1.760	.000	BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100

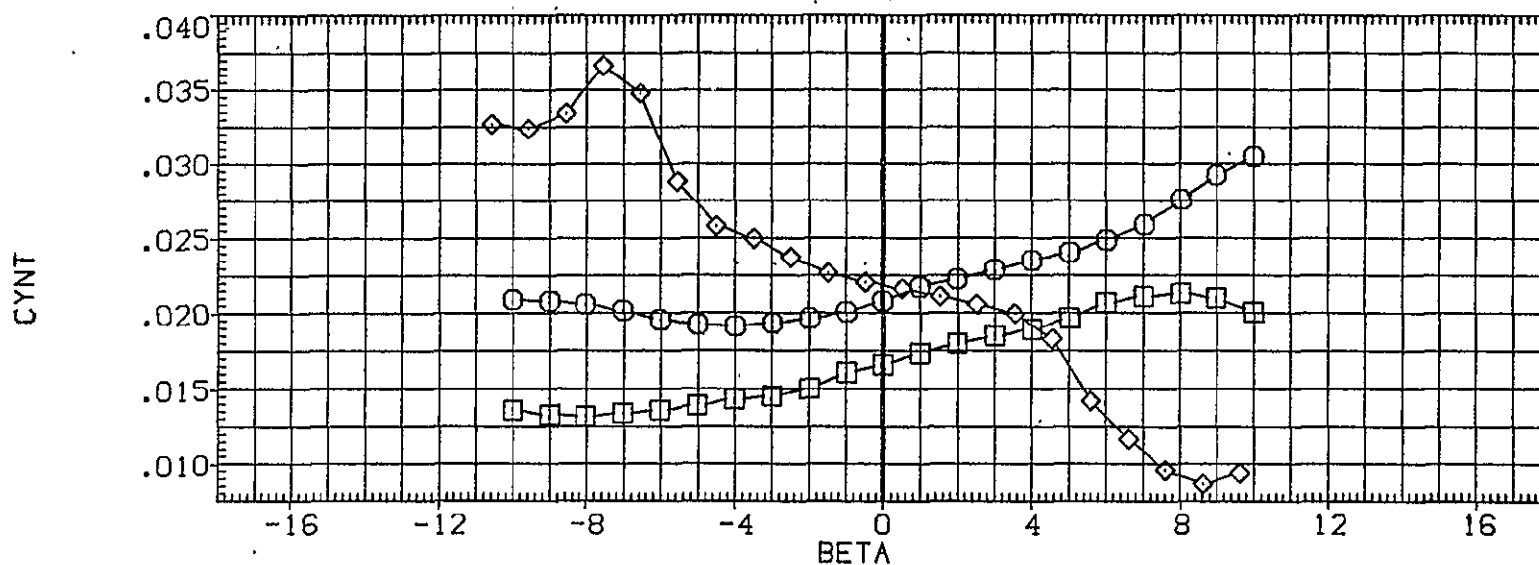
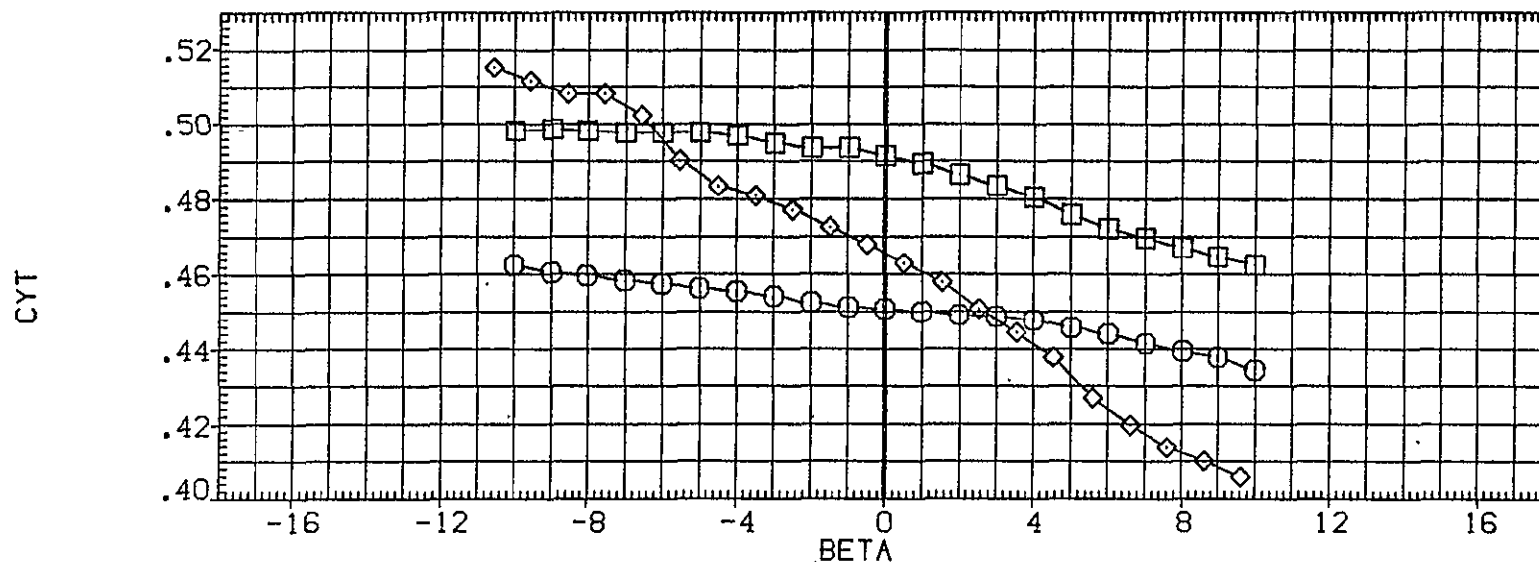


EFFECT OF ONLY ONE SRB ENGINE PLUME ON SRB AERO CHARACT. (SRB POS. 0.1)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(ST0016)	AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRING)	.100	1500.000	1.760	.000	SREF	2690.0000	50.FT.
(BTLO14)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.100	1500.000	1.760	.000	LREF	1290.3000	IN.
(ST0002)	AEDC VA422 1A61 S RIGHT SRB	.100	1500.000	1.760	.000	BREF	1290.3000	IN.
						XMRP	1167.0000	IN.XS
						YMRP	.0000	IN.YS
						ZMRP	400.0000	IN.ZS
						SCALE	.0100	

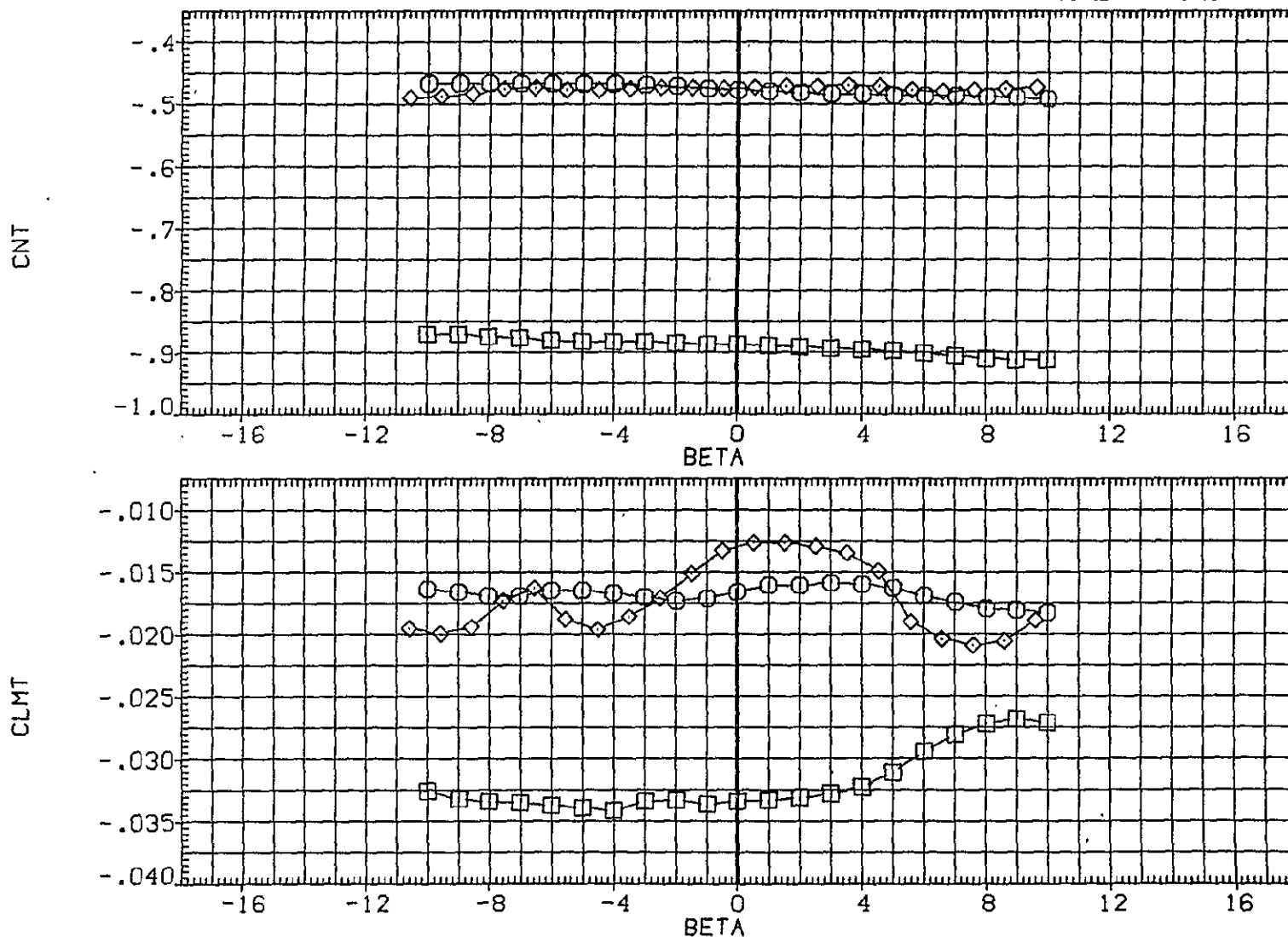


EFFECT OF ONLY ONE SRB ENGINE PLUME ON SRB AERO CHARACT. (SRB POS. 0.1)

(A)MACH = 4.50

PAGE 135

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(ST0016)	AEDC VA422 IAG1 01ET1S1 SRB DATA (O/ET SEPRING)	.100	1500.000	1.760	.000	SREF	2690.0000	50.FT.
(BTLO14)	AEDC VA-422(IA-57), ORB/ET W/RIGHT SRB	.100	1500.000	1.760	.000	LREF	1290.3000	IN.
(ST0002)	AEDC VA422 IAG1 S RIGHT SRB	.100	1500.000	1.760	.000	BREF	1290.3000	IN.
						XMRP	1167.0000	IN.XS
						YMRP	.0000	IN.YS
						ZMRP	400.0000	IN.ZS
						SCALE	.0100	

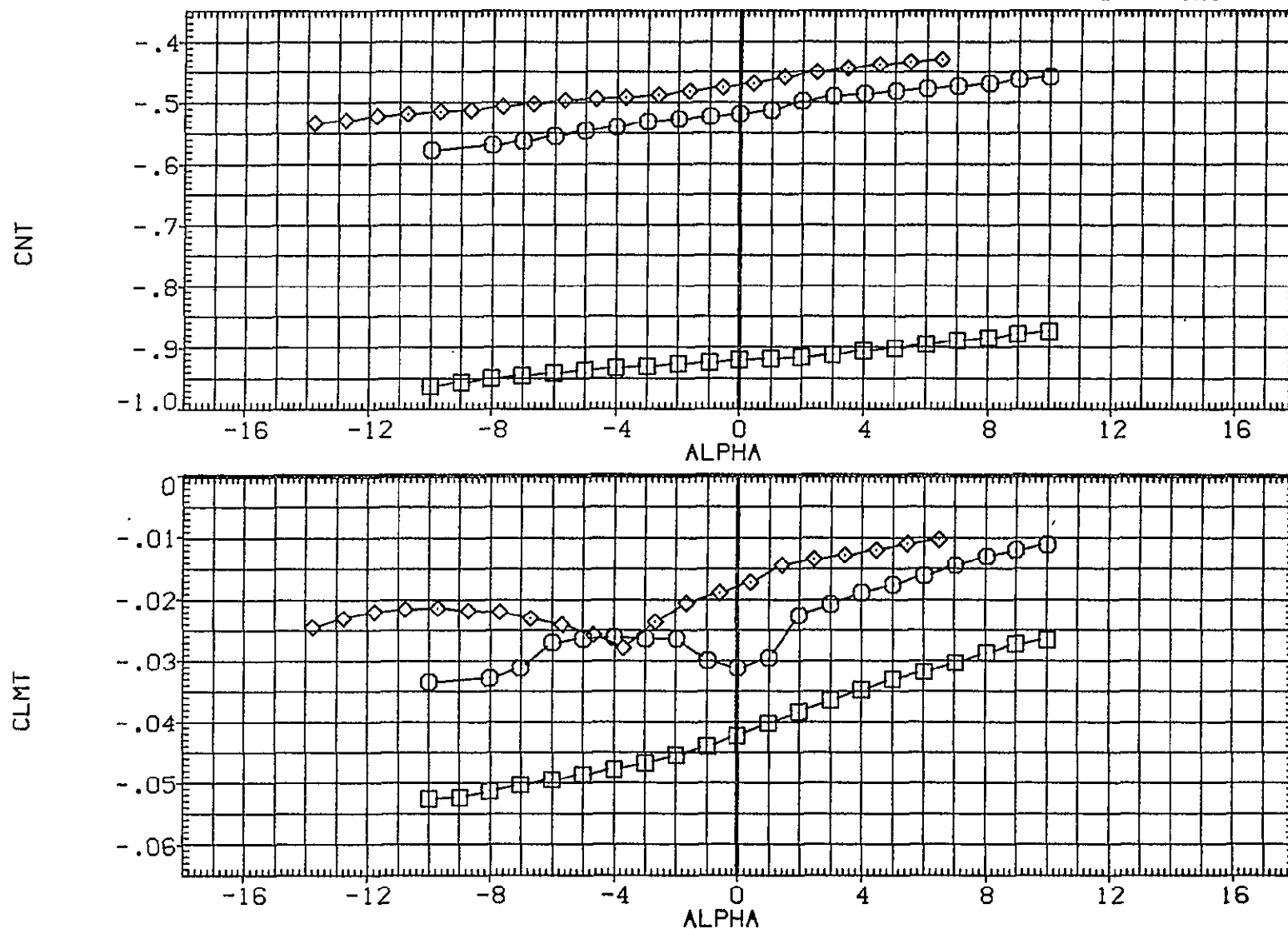


EFFECT OF ONLY ONE SRB ENGINE PLUME ON SRB AERO CHARACT. (SRB POS. 0.1)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(TT0017)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)	.200	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(BTLO21)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.200	1500.000	1.760	.000	LREF	1290.3000 IN.
(ST0003)	AEDC VA422 1A61 S RIGHT SRB	.200	1500.000	1.760	.000	BREF	1290.3000 IN.
						XMRP	1167.0000 IN.XS
						YMRP	.0000 IN.YS
						ZMRP	400.0000 IN.ZS
						SCALE	.0100

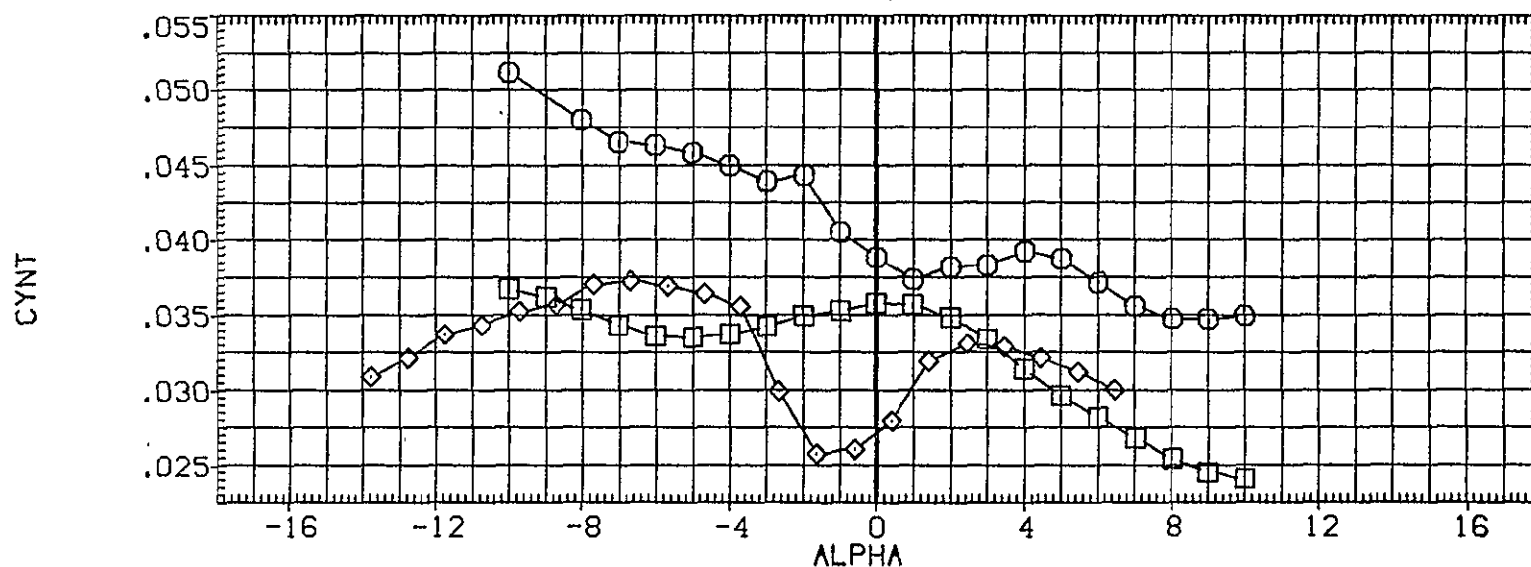
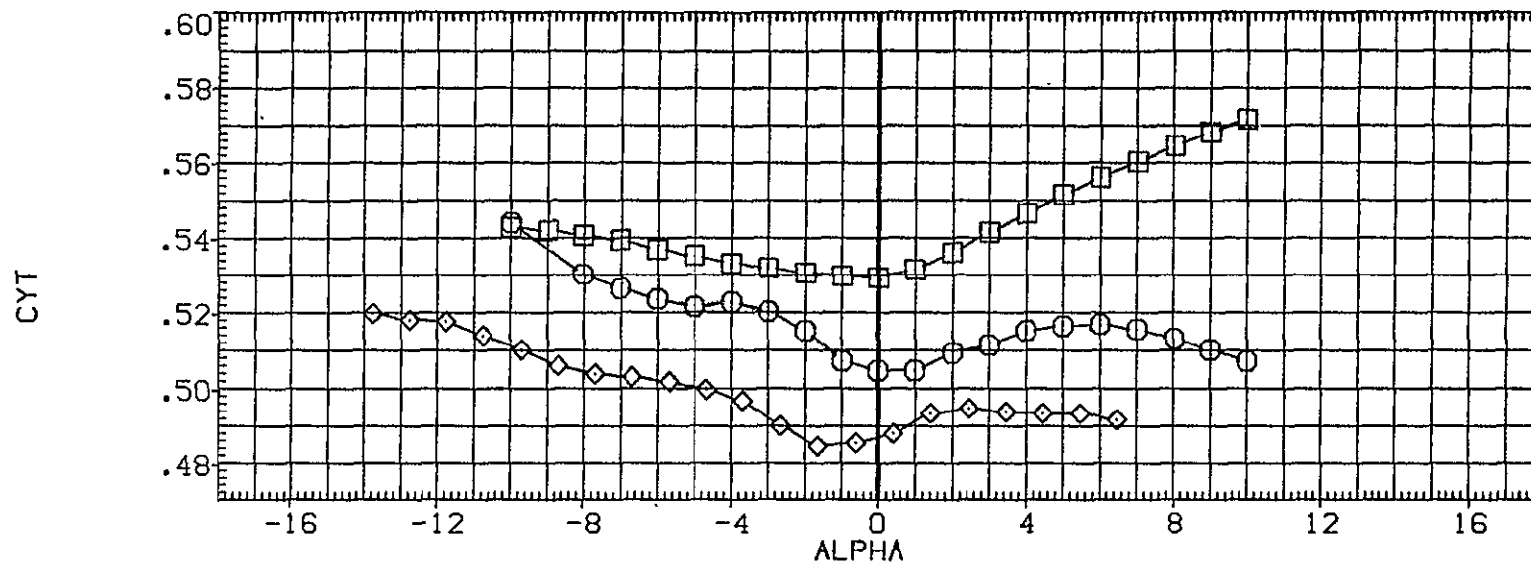


EFFECT OF ONLY ONE SRB ENGINE PLUME ON SRB AERO CHARACT. (SRB POS. 0.2)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(TT0017)	AEDC VA422 1A61 01ET151 SRB DATA (O/ET SEPRTING)	.200	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(BTLO21)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.200	1500.000	1.760	.000	LREF	1290.3000 IN.
(ST0003)	AEDC VA422 1A61 S RIGHT SRB	.200	1500.000	1.760	.000	BREF	1290.3000 IN.
						XMRP	1167.0000 IN.XS
						YMRP	.0000 IN.YS
						ZMRP	400.0000 IN.ZS
						SCALE	.0100

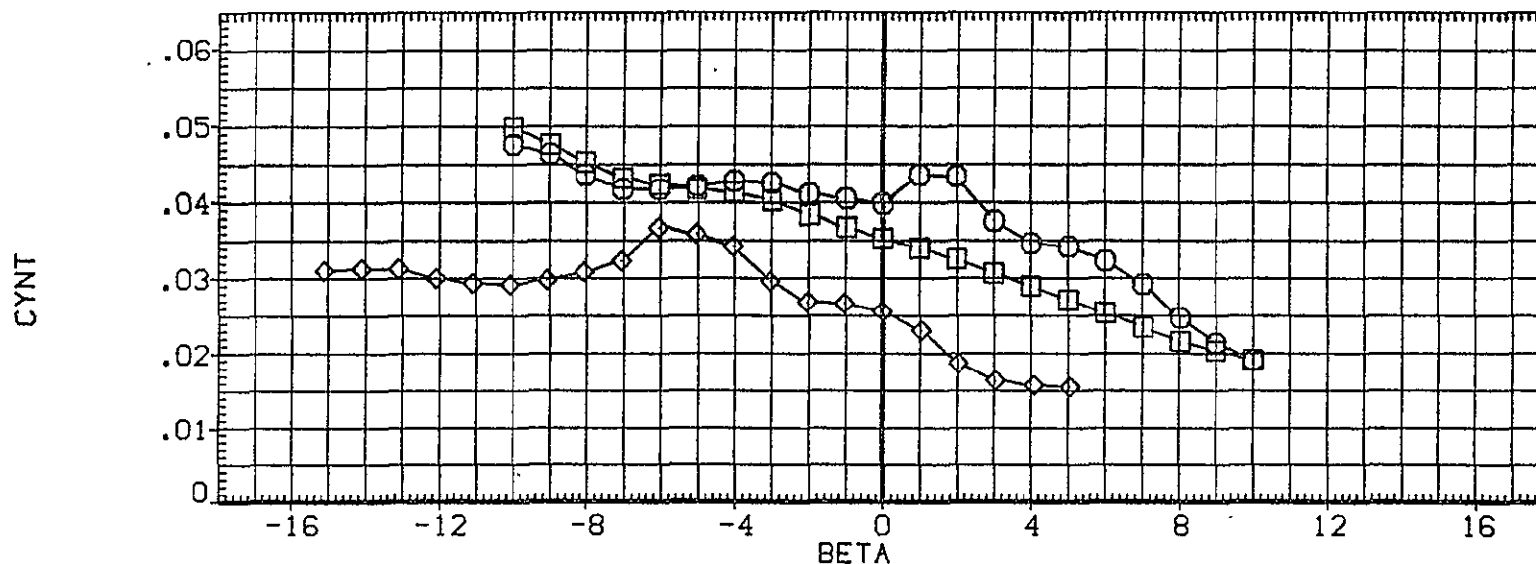
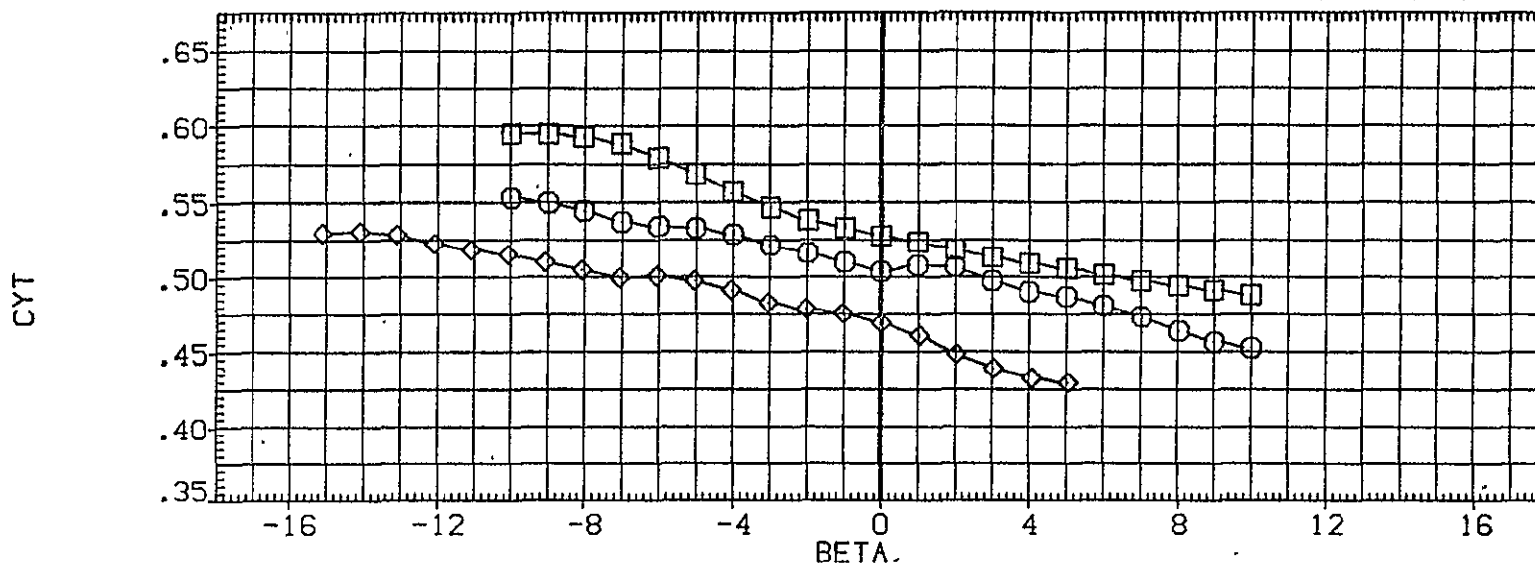


EFFECT OF ONLY ONE SRB ENGINE PLUME ON SRB AERO CHARACT. (SRB POS. 0.2)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(ST0018)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTING)	.200	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(BTLO22)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.200	1500.000	1.760	.000	LREF 1290.3000 IN.
(ST0004)	AEDC VA422 1A61 S RIGHT SRB	.200	1500.000	1.760	.000	BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100

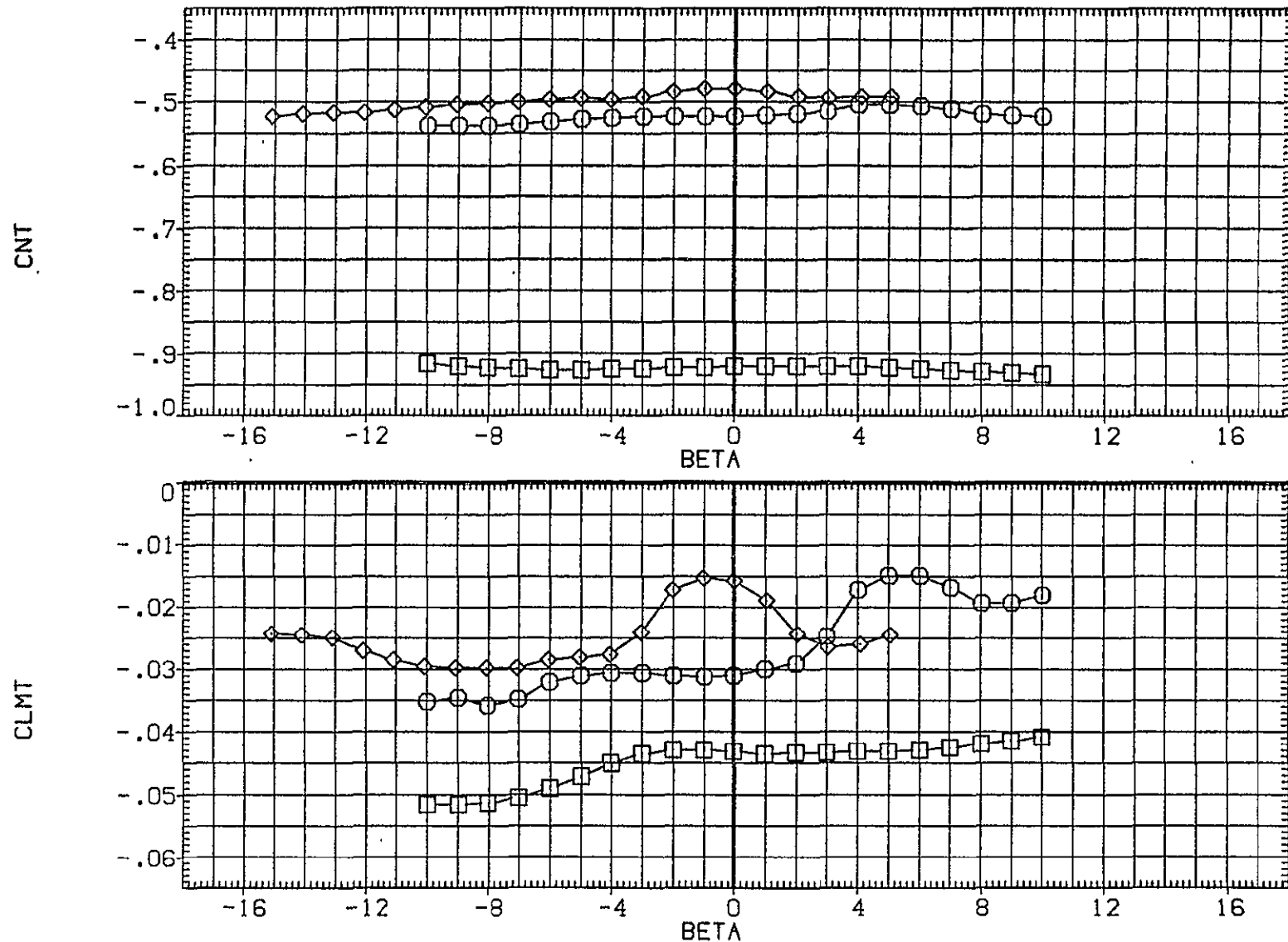


EFFECT OF ONLY ONE SRB ENGINE PLUME ON SRB AERO CHARACT. (SRB POS. 0.2)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(ST0018)	AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)	.200	1500.000	1.760	.000	SREF	2690.0000	50.FT.
(BTLO22)	AEDC VA-422(1A-57), 0RB/ET W/RIGHT SRB	.200	1500.000	1.760	.000	LREF	1290.3000	IN.
(ST0004)	AEDC VA422 1A61 S RIGHT SRB	.200	1500.000	1.760	.000	BREF	1290.3000	IN.
						XMRP	1167.0000	IN.XS
						YMRP	.0000	IN.YS
						ZMRP	400.0000	IN.ZS
						SCALE	.0100	

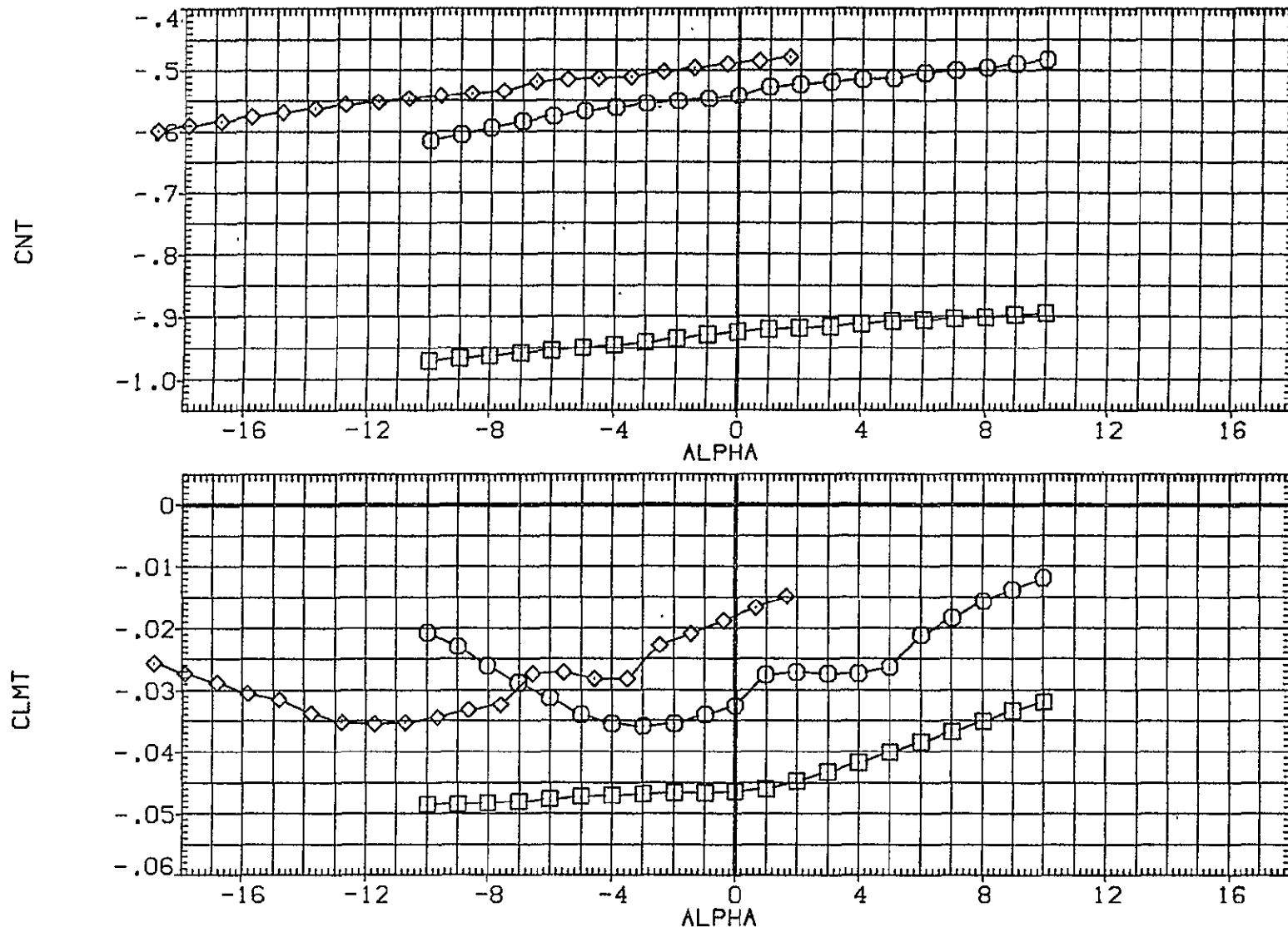


EFFECT OF ONLY ONE SRB ENGINE PLUME ON SRB AERO CHARACT. (SRB POS. 0.2)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(ST0020)	AEDC VA422 1A61 01ET151 SRB DATA (O/ET SEPRNG)	.300	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(BTL029)	AEDC VA-422(1A-57). ORB/ET W/RIGHT SRB	.300	1500.000	1.760	.000	LREF 1290.3000 IN.
(ST0005)	AEDC VA422 1A61 S RIGHT SRB	.300	1500.000	1.760	.000	BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100

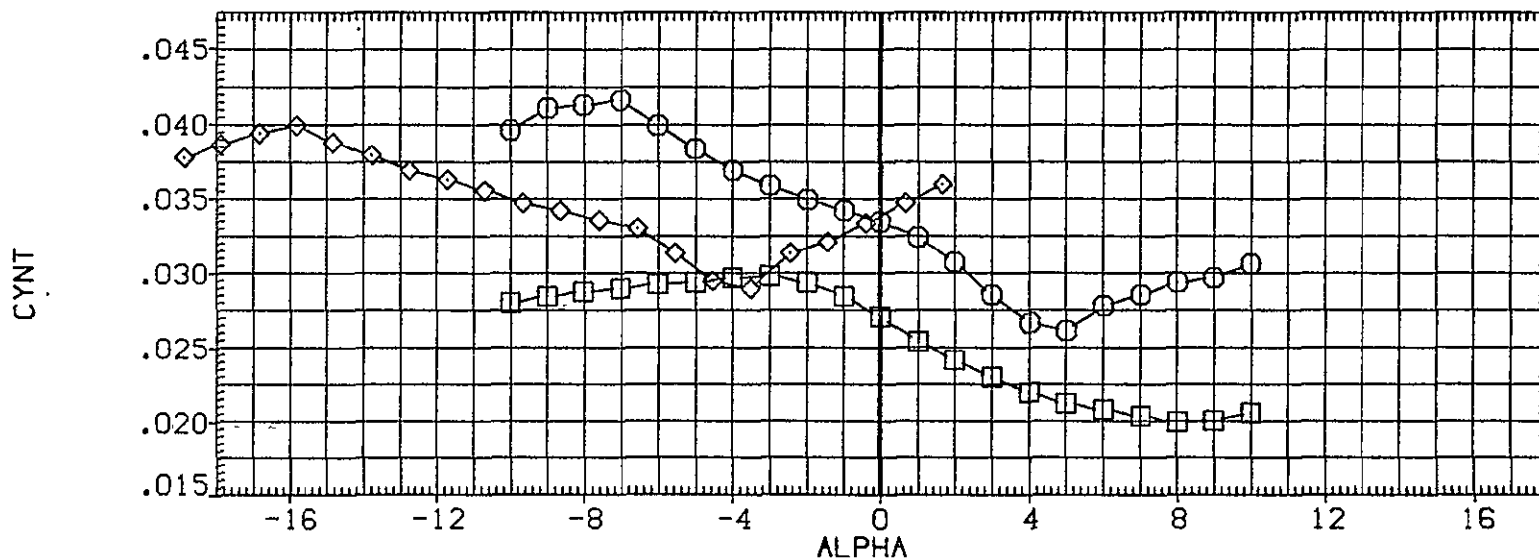
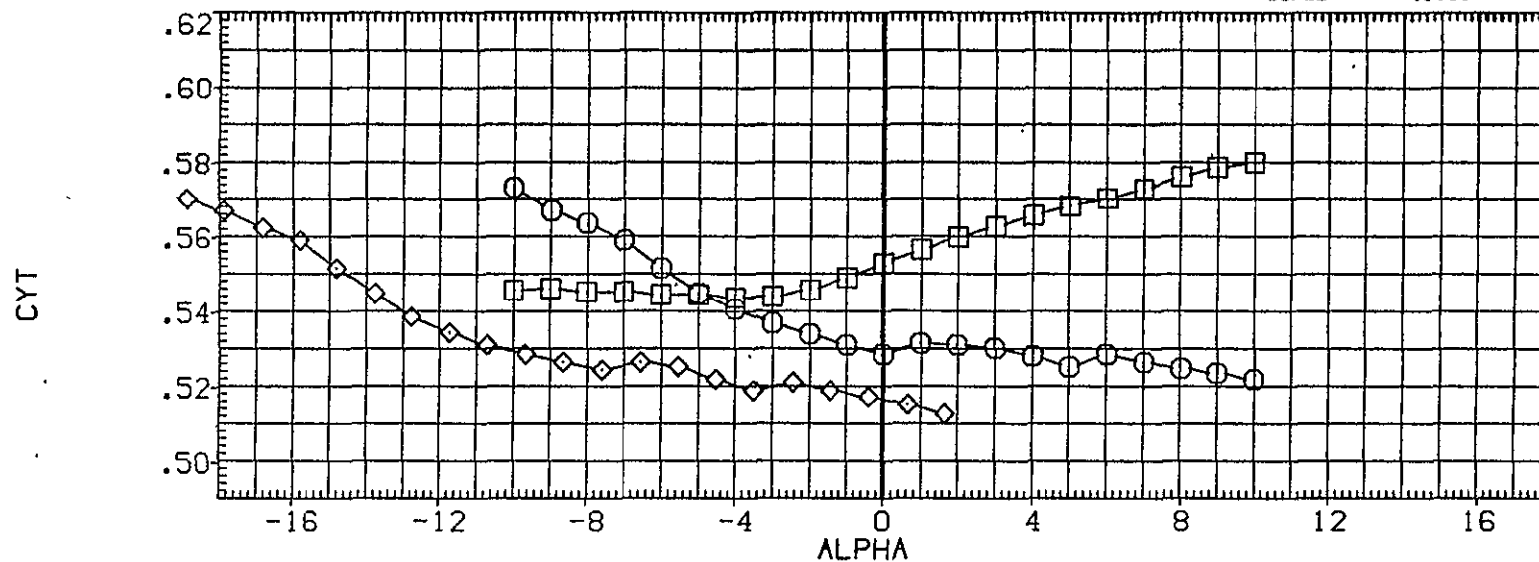


EFFECT OF ONLY ONE SRB ENGINE PLUME ON SRB AERO CHARACT. (SRB POS. 0.3)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(STQ020)	AEDC VA422 IA61 01ET1S1 SRB DATA (O/ET SEPRNG)	.300	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(BTL029)	AEDC VA-422(IA-57), ORB/ET W/RIGHT SRB	.300	1500.000	1.760	.000	LREF 1290.3000 IN.
(STQ005)	AEDC VA422 IA61 S RIGHT SRB	.300	1500.000	1.760	.000	BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100

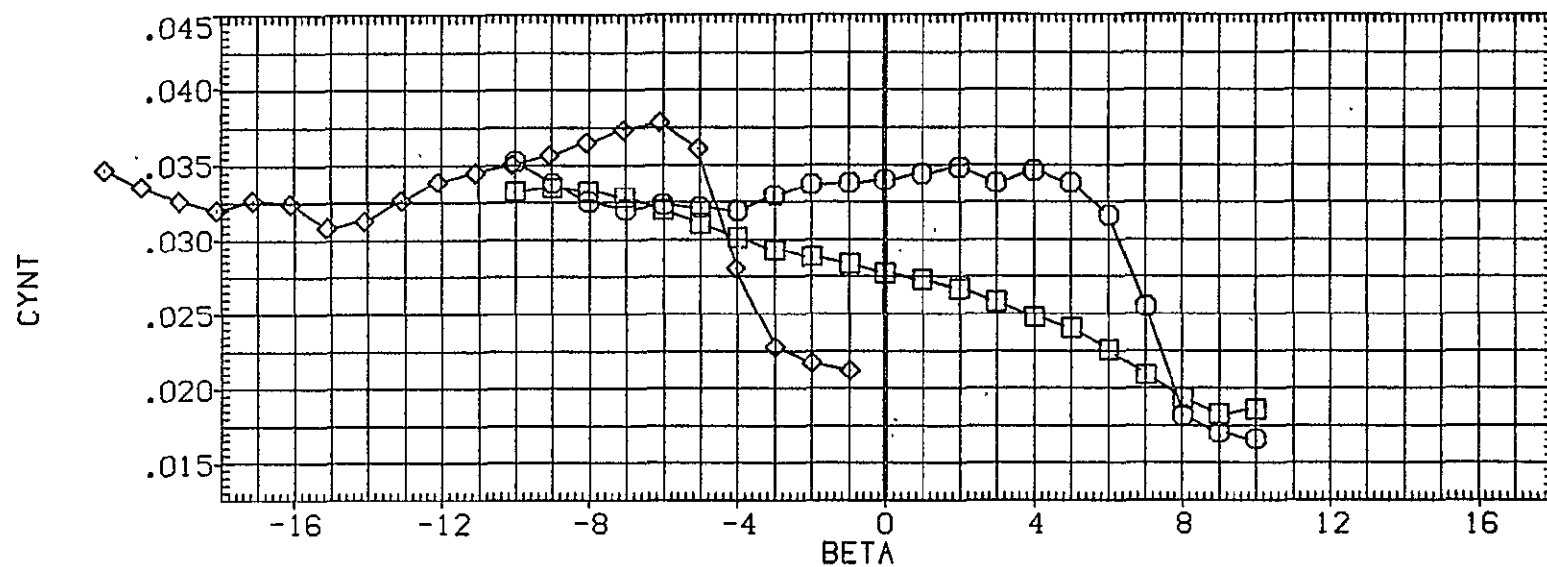
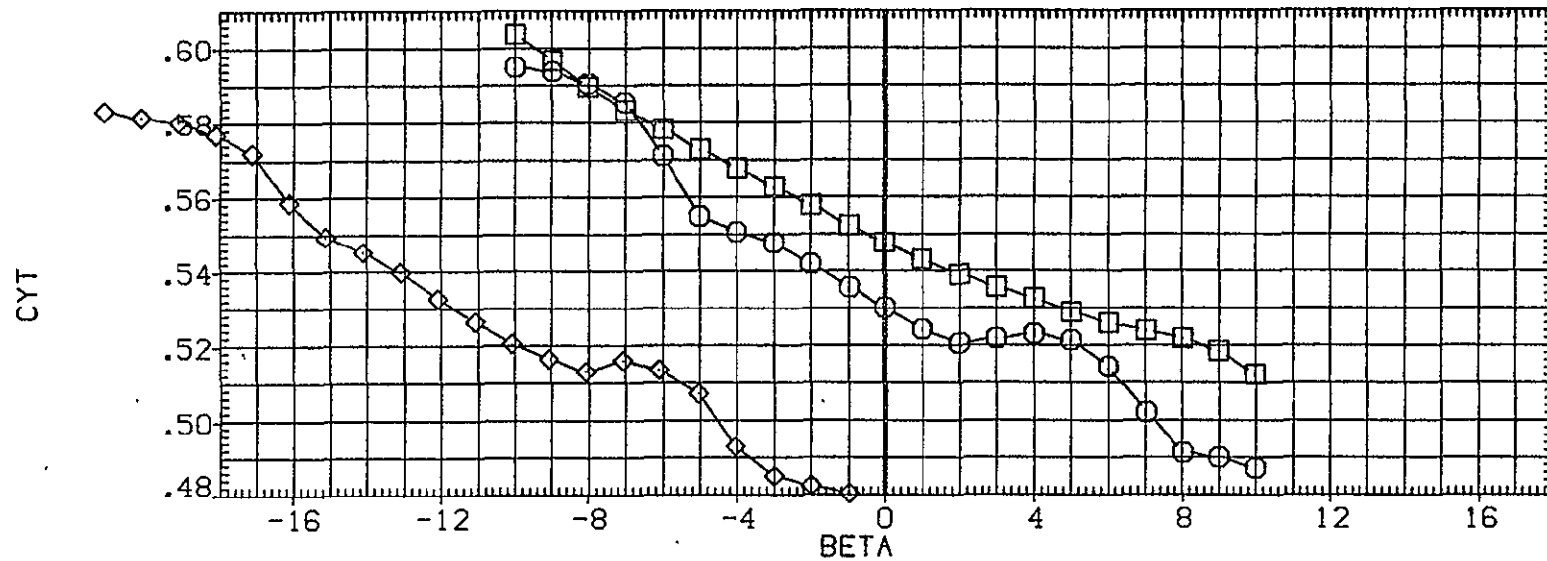


EFFECT OF ONLY ONE SRB ENGINE PLUME ON SRB AERO CHARACT. (SRB POS. 0.3)

(A)MACH = 4.50

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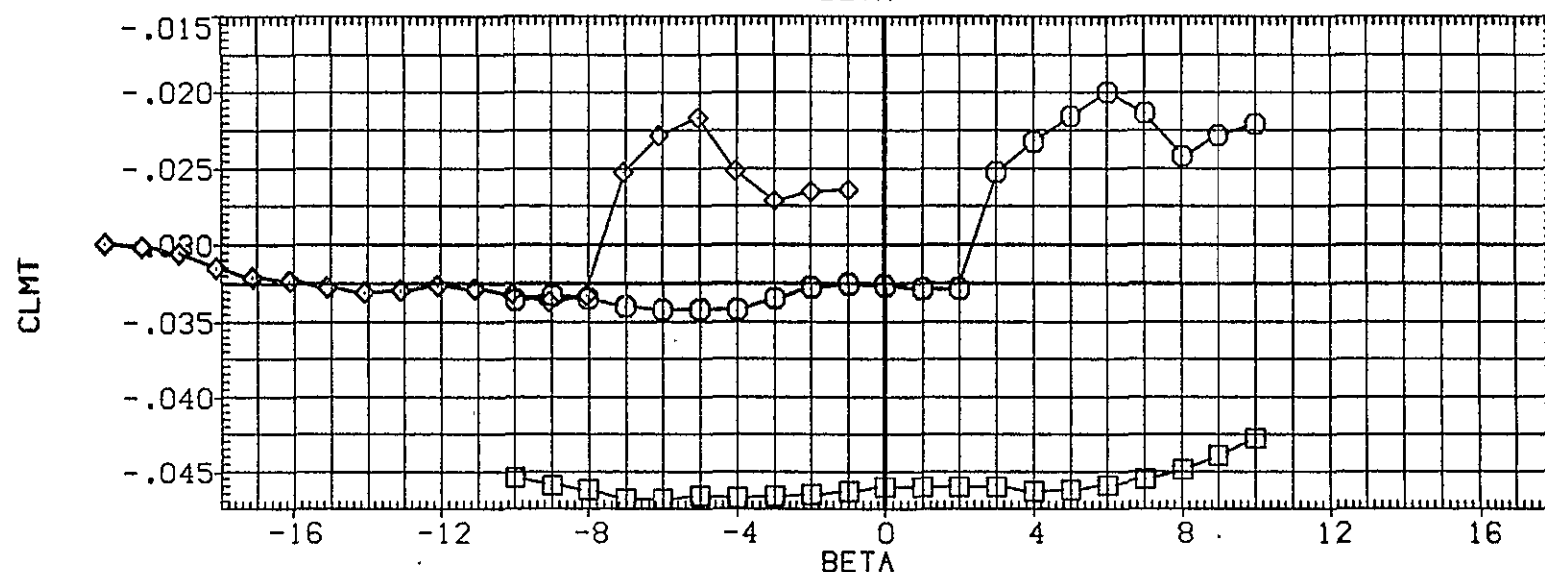
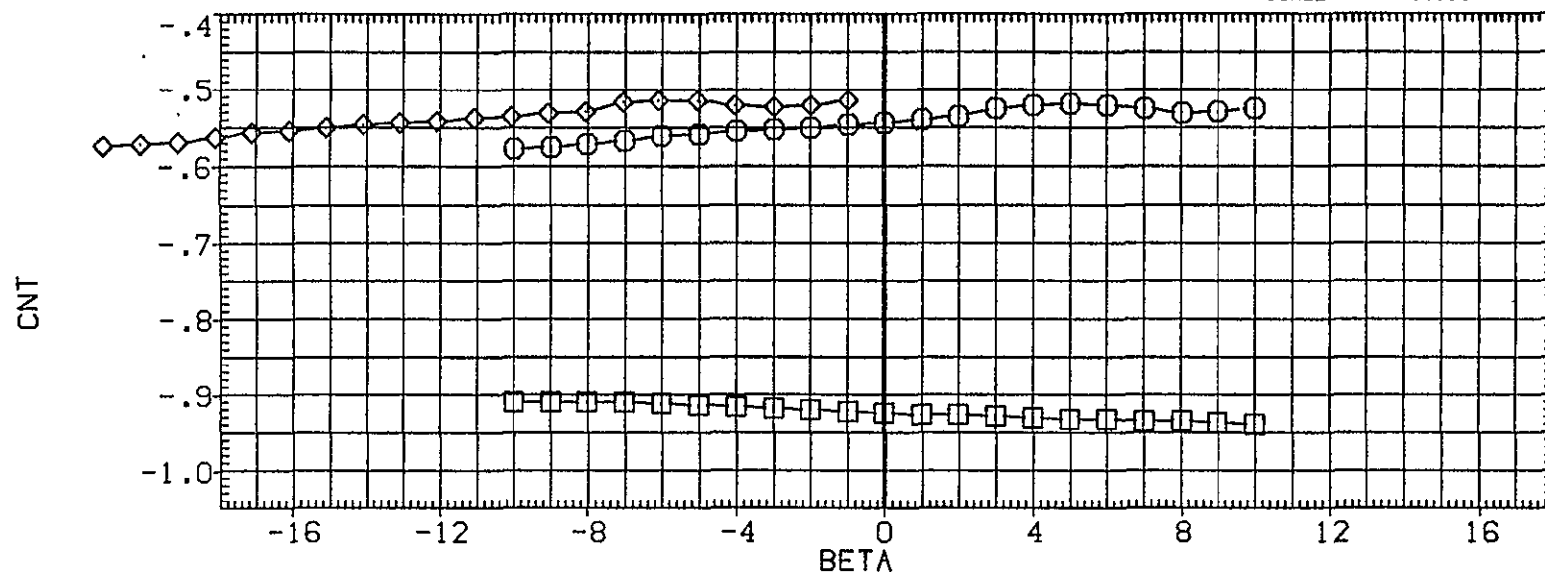
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(ST0021)	AEDC VA422 (A61 01ET1S1 SRB DATA (O/ET SEPRNG)	.300	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(BTLO30)	AEDC VA-422(1A-57). ORB/ET W/RIGHT SRB	.300	1500.000	1.760	.000	LREF	1290.3000 IN.
(ST0006)	AEDC VA422 (A61 S RIGHT SRB	.300	1500.000	1.760	.000	BREF	1290.3000 IN.
						XMRP	1167.0000 IN.XS
						YMRP	.0000 IN.YS
						ZMRP	400.0000 IN.ZS
						SCALE	.0100



EFFECT OF ONLY ONE SRB ENGINE PLUME ON SRB AERO CHARACT. (SRB POS. 0.3)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(STQ021)	AEDC VA422 IA61 01ET1S1 SRB DATA (O/ET SEPRNG)	.300	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(BTL030)	AEDC VA-422(IA-57), ORB/ET W/RIGHT SRB	.300	1500.000	1.760	.000	LREF	1290.3000 IN.
(STQ006)	AEDC VA422 IA61 S RIGHT SRB	.300	1500.000	1.760	.000	BREF	1290.3000 IN.
						XMRP	1167.0000 IN.XS
						YMRP	.0000 IN.YS
						ZMRP	400.0000 IN.ZS
						SCALE	.0100

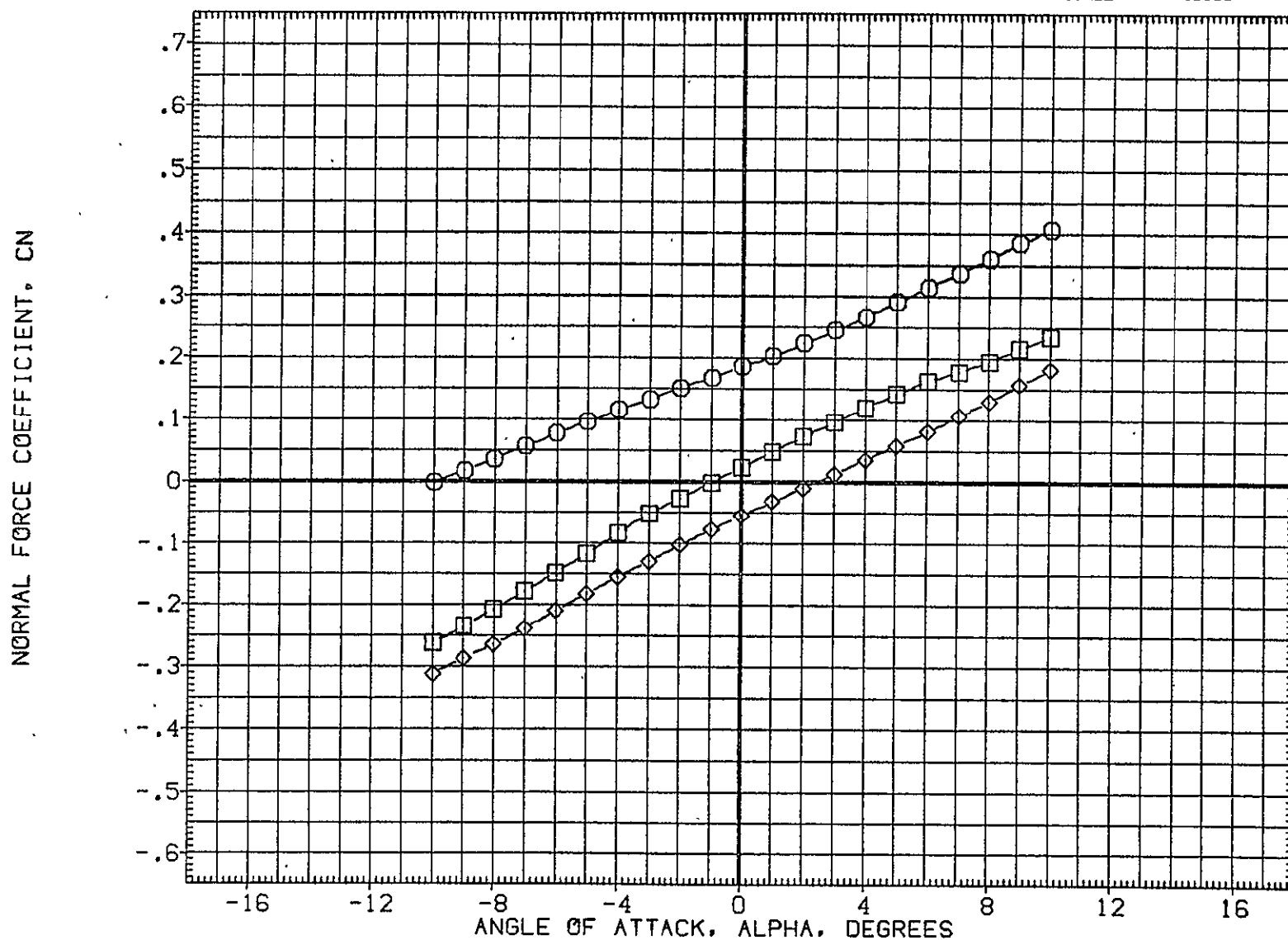


EFFECT OF ONLY ONE SRB ENGINE PLUME ON SRB AERO CHARACT. (SRB POS. 0.3)

(A)MACH = 4.50

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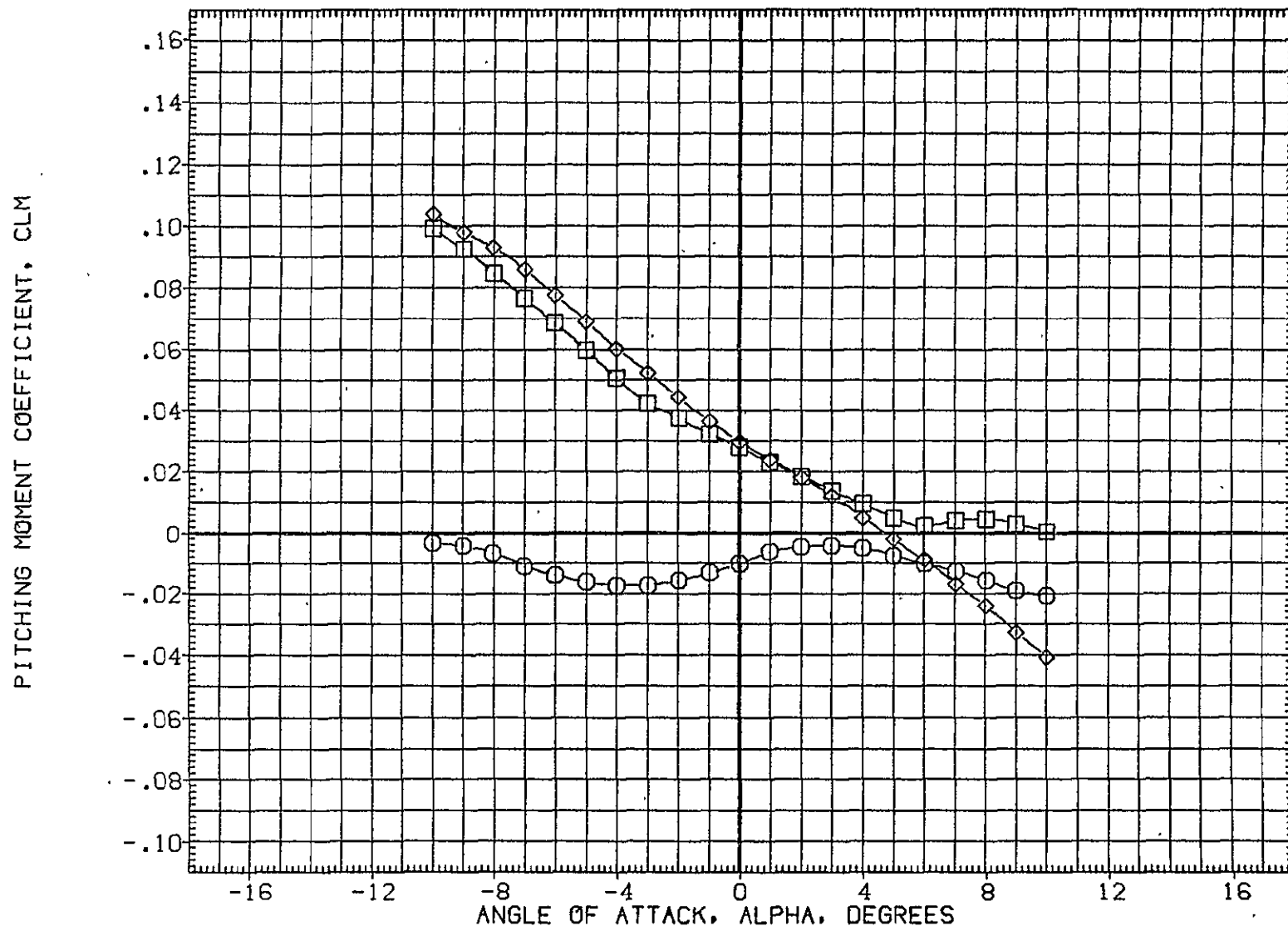
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(RT0042)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(RT0015)	AEDC VA422 1A61 01ET1S1 0/ET (RGHT SRB SEPRNG)	.100	1500.000	1.760	.000	LREF	1290.3000 IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100



COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=1500)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(RT0042)	AEDC VA422 (A61 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(RT0015)	AEDC VA422 (A61 01ET1S1 0/ET (RGHT SRB SEPRNG)	.100	1500.000	1.760	.000	LREF 1290.3000 IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XY
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100

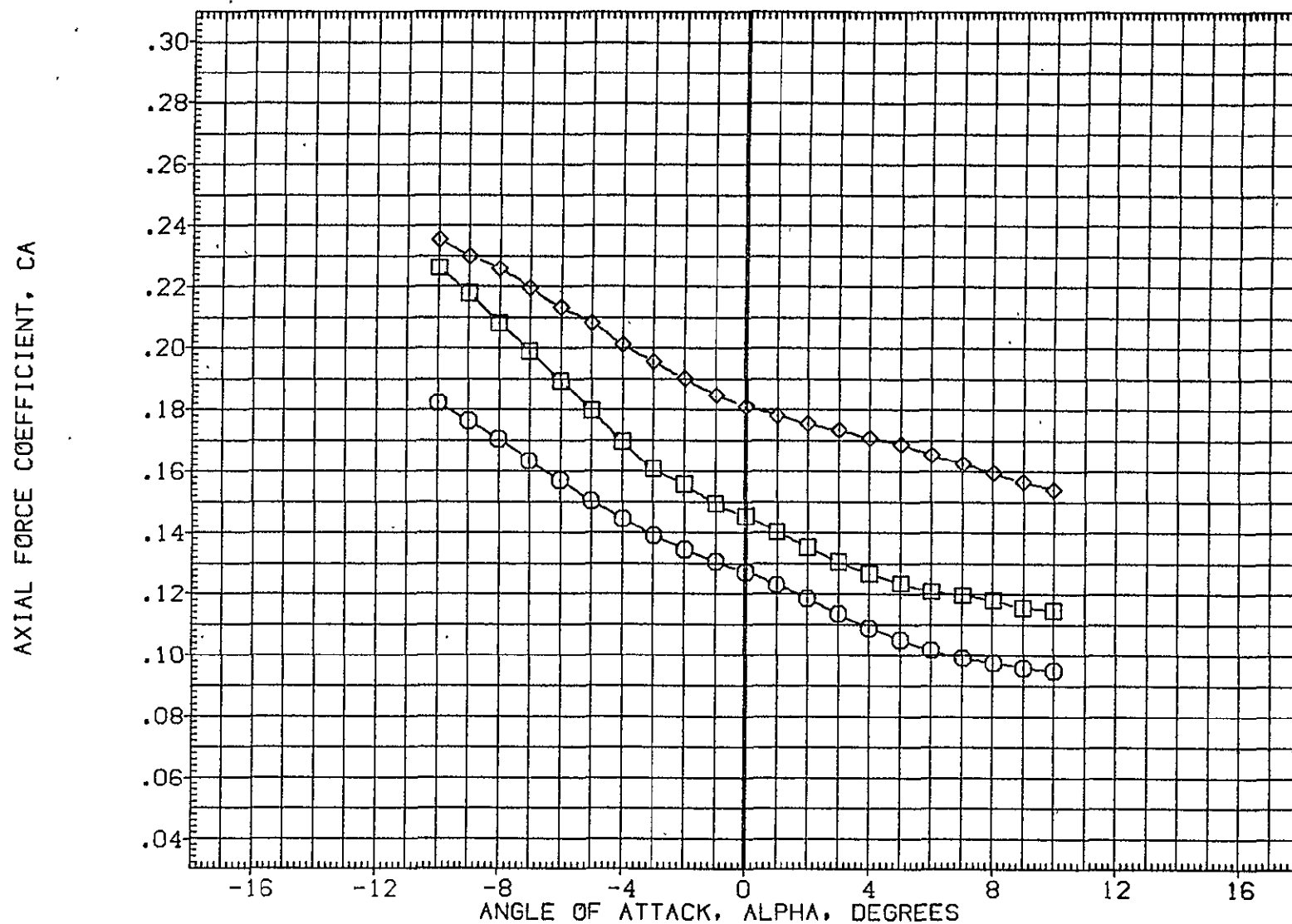


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=1500)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0042)	○ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	1.100	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(RT0015)	□ AEDC VA422 1A61 01ET1S1 O/ET (RGHT SRB SEPRNG)	.100	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL001)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

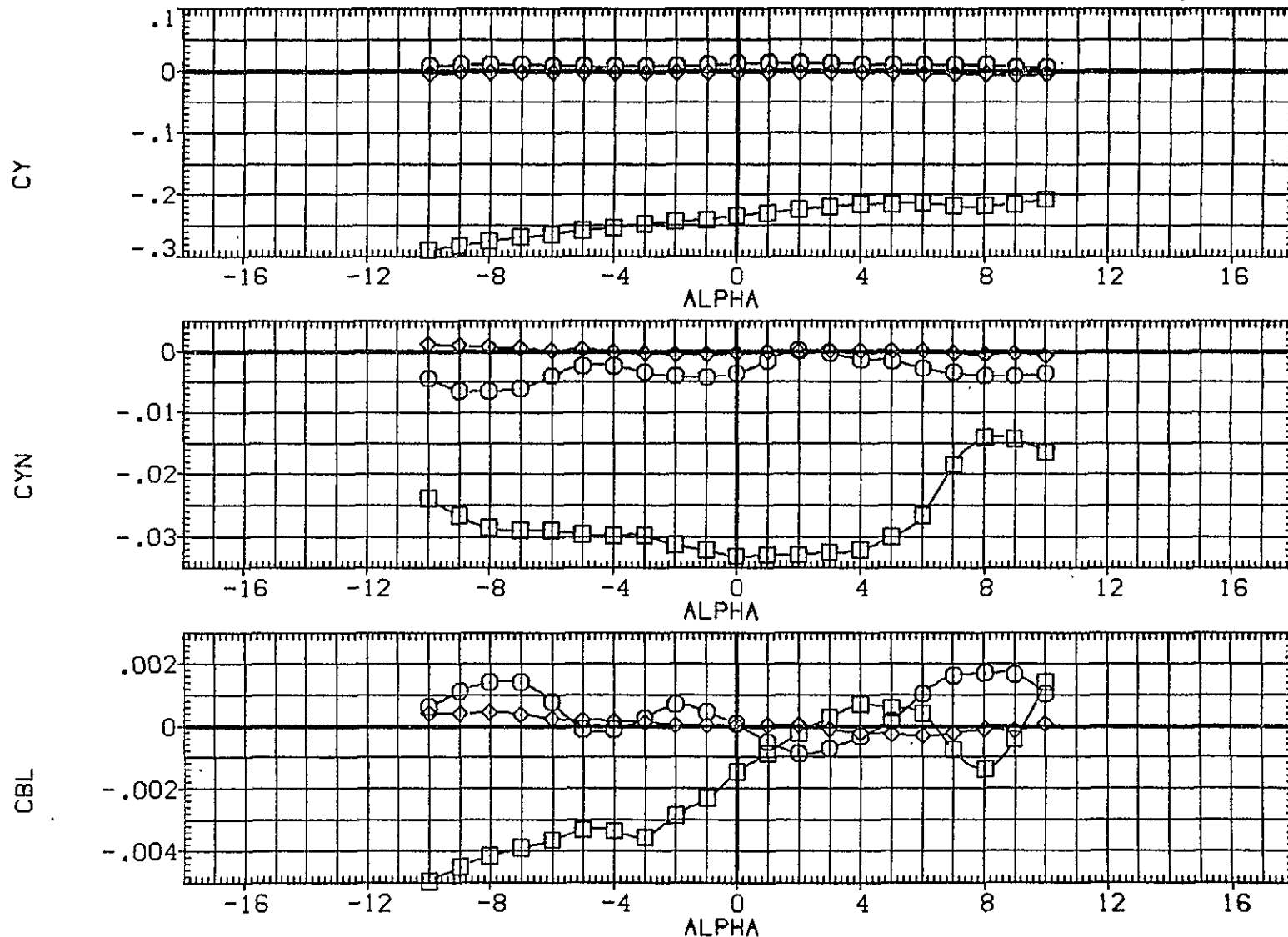


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.(PJ=1500)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(RT0042)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(RT0015)	AEDC VA422 1A61 01ET1S1 0/ET (RGHT SRB SEPRNG)	.100	1500.000	1.760	.000	LREF 1290.3000 IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100



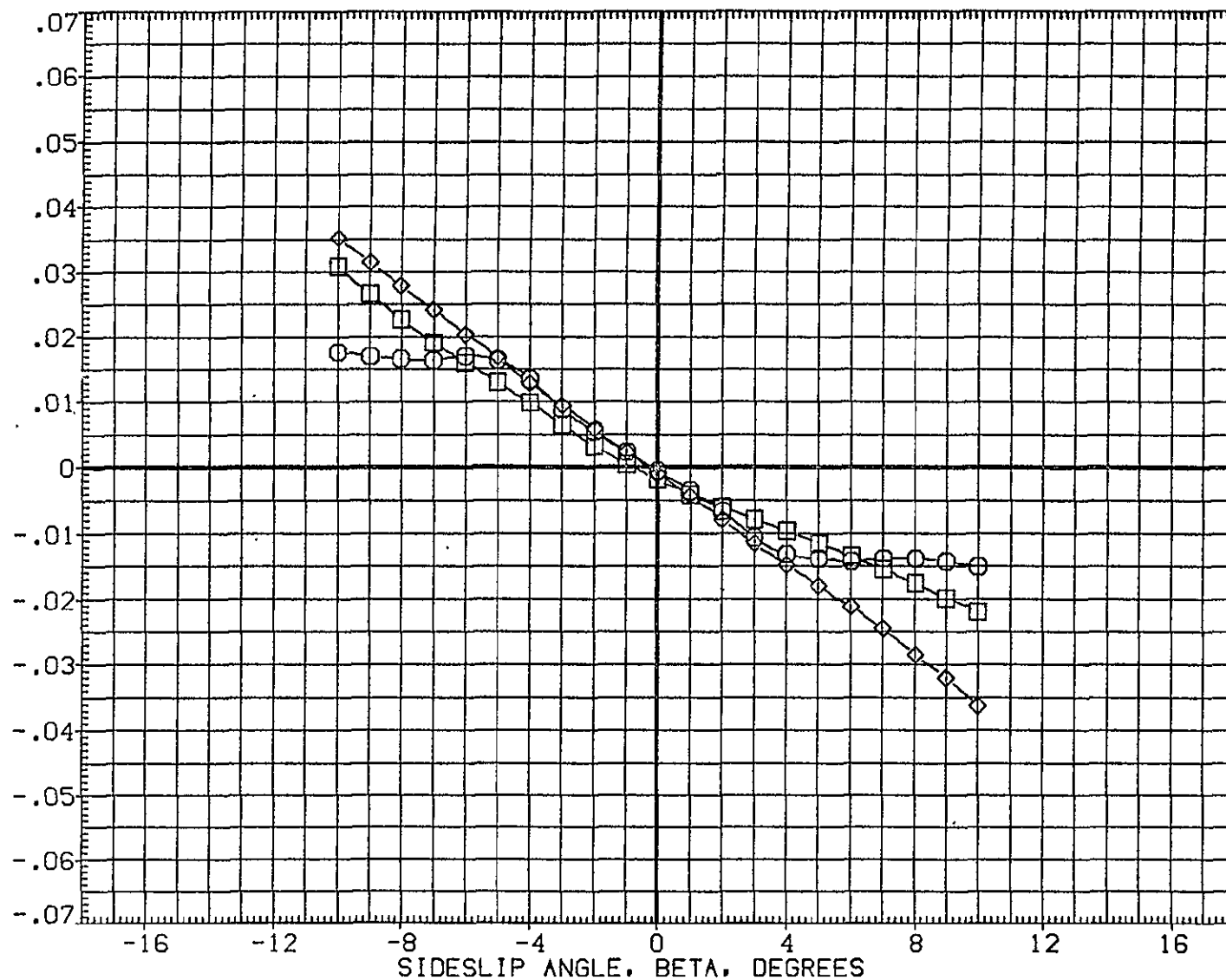
COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=1500)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(RT0045)	AE0C VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRTNG)	1.100	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(RT0016)	AE0C VA422 1A61 01ET1S1 0/ET (RGHT SRB SEPRTNG)	.100	1500.000	1.760	.000	LREF 1290.3000 IN.
(ATL002)	AE0C VA-422(1A-57), ISOLATED 0RB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XY
						YMRP .0000 IN.YY
						ZMRP 447.0000 IN.ZY
						SCALE .0100

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)



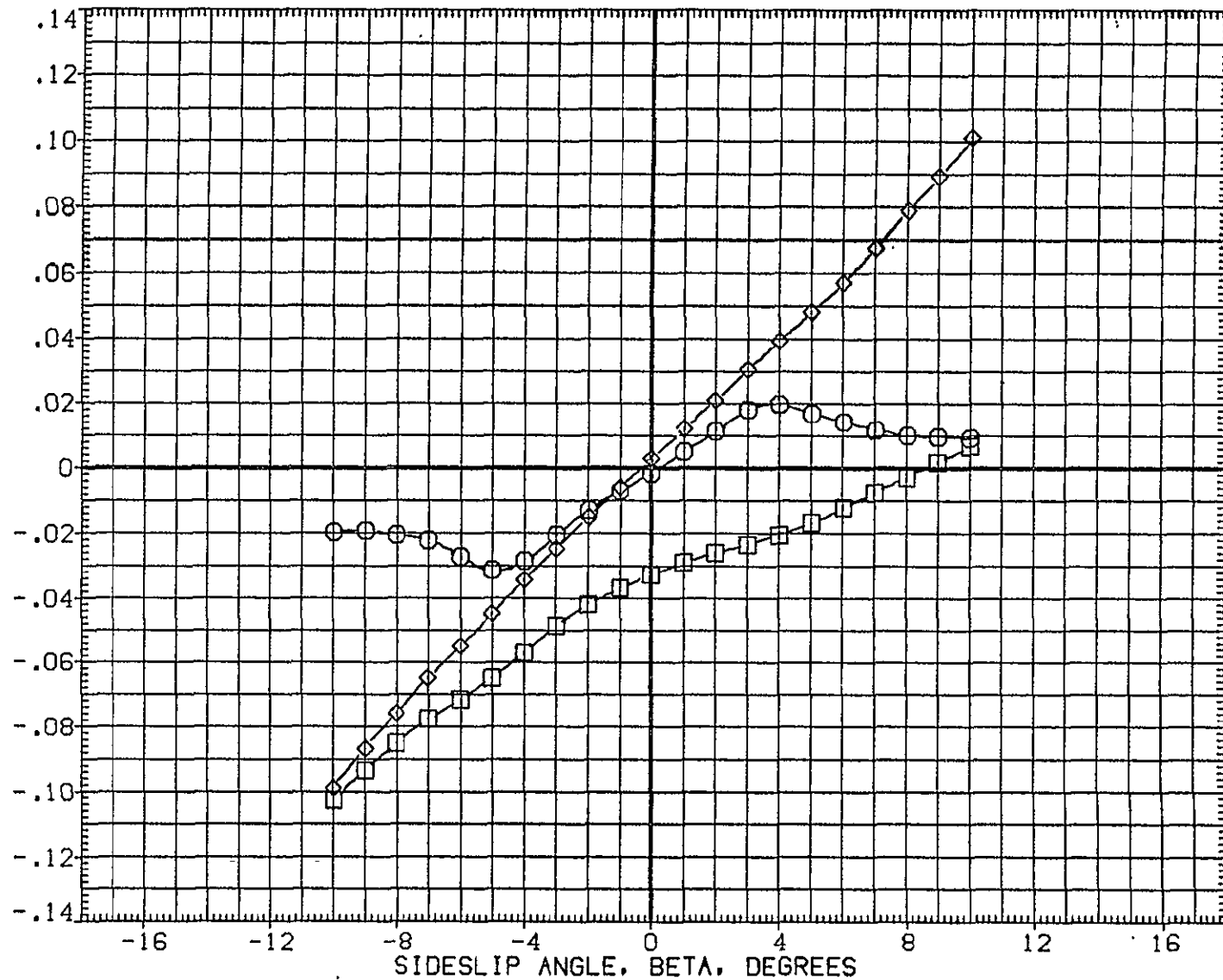
COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=1500)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(RT0045)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(RT0016)	AEDC VA422 1A61 01ET1S1 0/ET (RGHT SRB SEPRNG)	.100	1500.000	1.760	.000	LREF 1290.3000 IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100

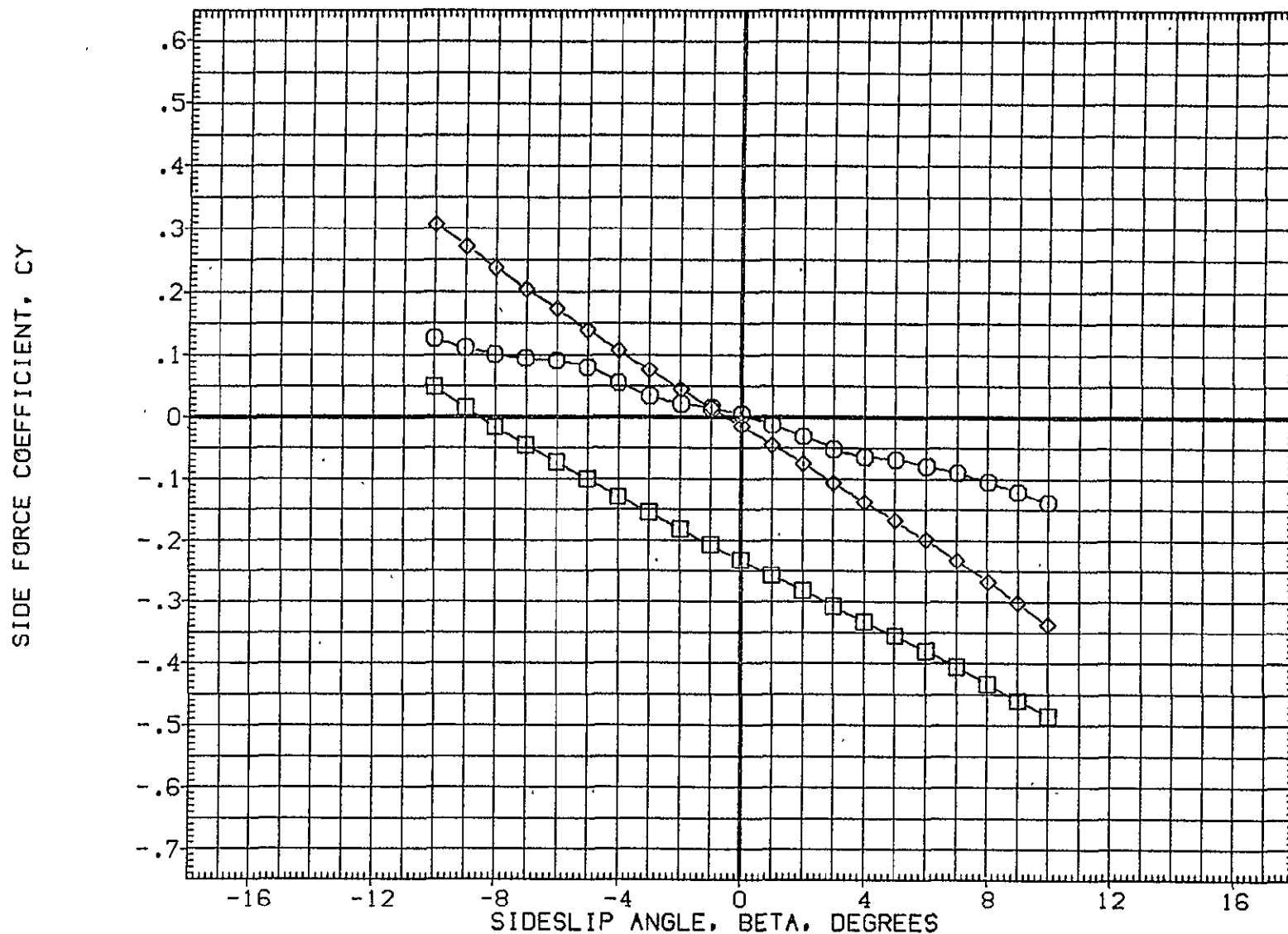
YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=1500)
 (A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RT0045)	AEBC VA422 (A6) 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(RT0016)	AEBC VA422 (A6) 01ET1S1 0/ET (RGHT SRB SEPRNG)	.100	1500.000	1.760	.000	LREF	1290.3000 IN.
(ATL002)	AEBC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

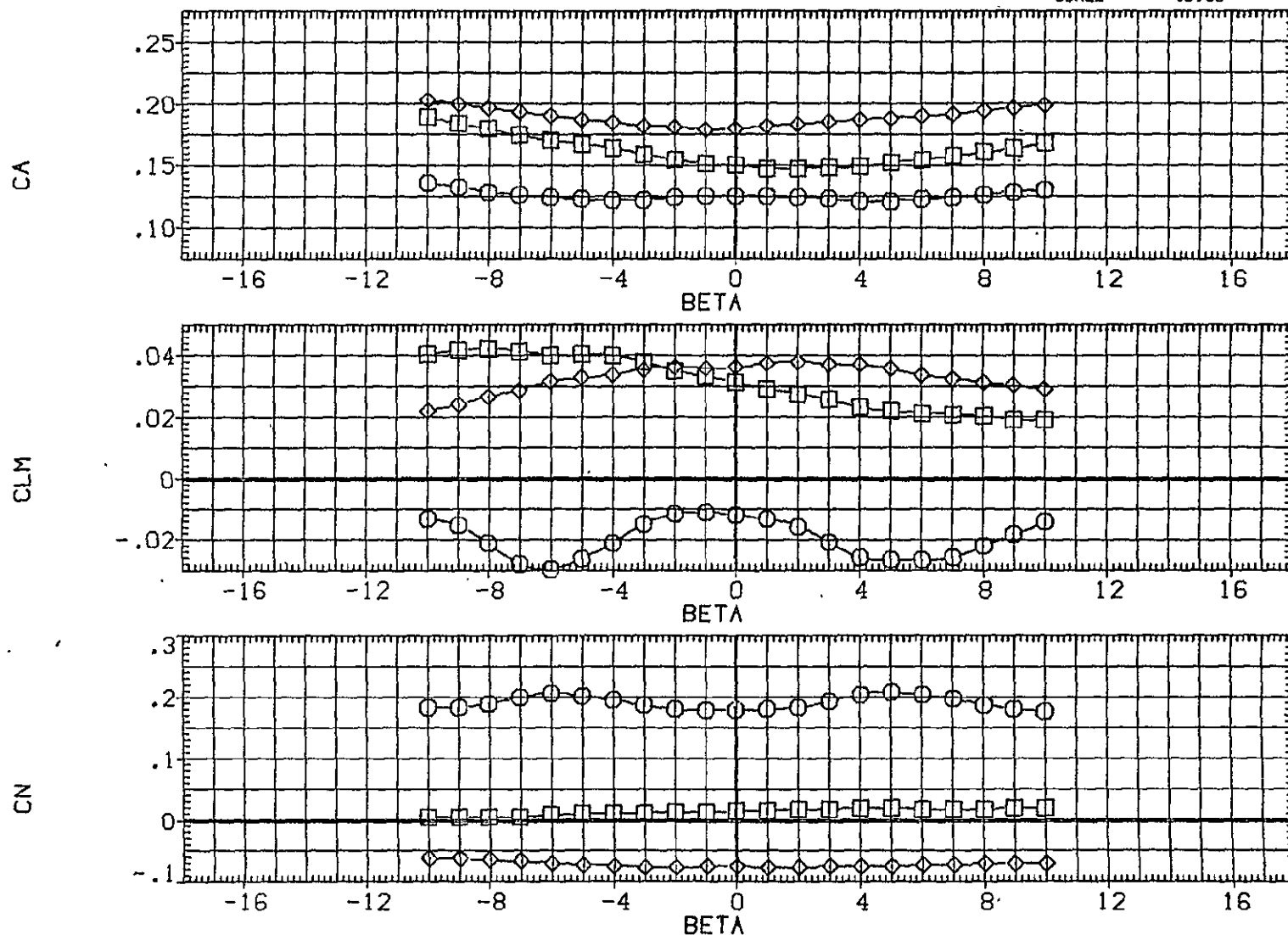


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=1500)

(A)MACH = 4.50

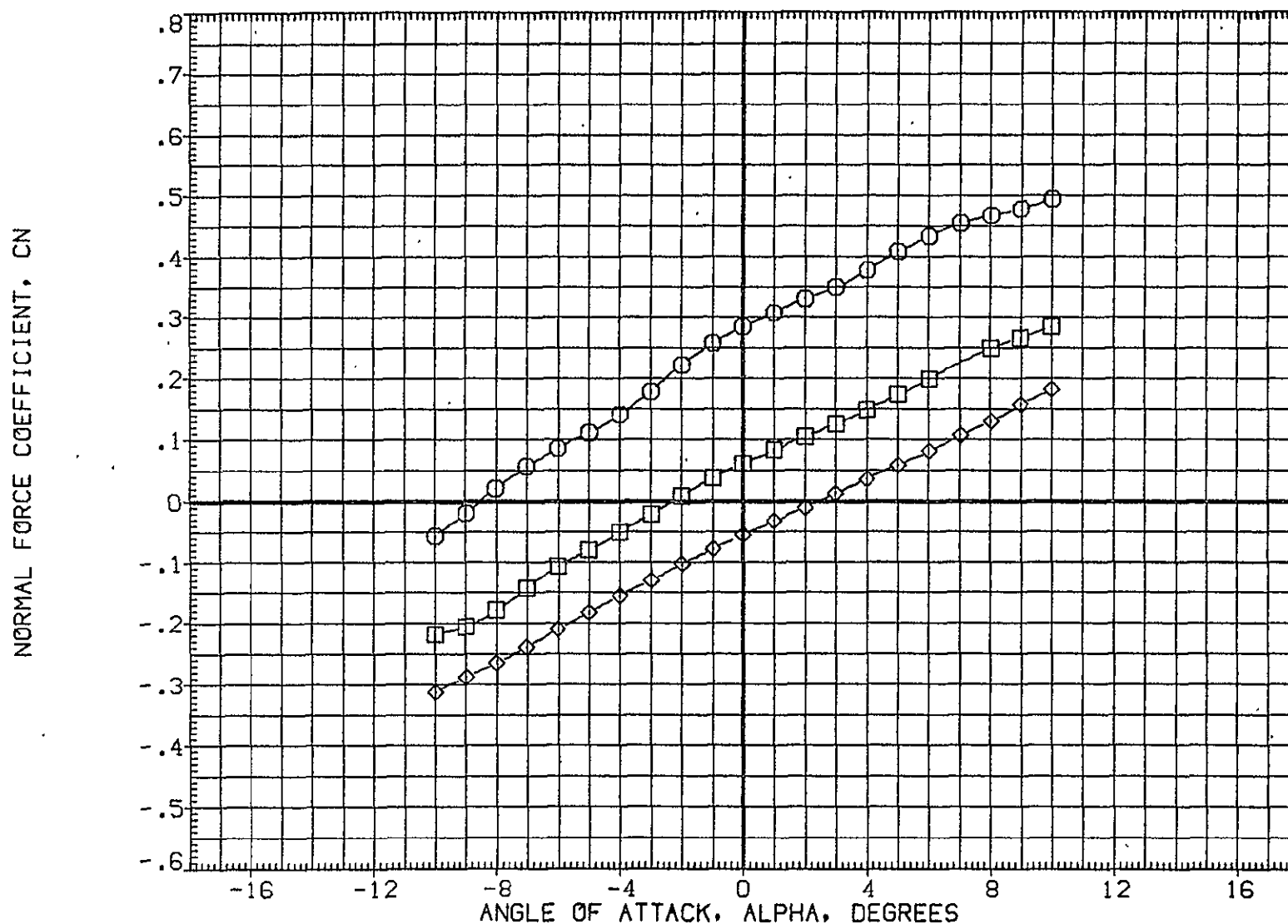
PAGE 151

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RT0045)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(RT0016)	AEDC VA422 1A61 01ET1S1 0/ET (RGHT SRB SEPRNG)	.100	1500.000	1.760	.000	LREF	1290.3000 IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100



COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=1500)
 (A)MACH = 4.50 PAGE 152

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(RT0054)	AEDC VA422 IA61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATQ017)	AEDC VA422 IA61 01ET1S1 0/ET (RGHT SRB SEPRNG)	.200	1500.000	1.760	.000	LREF 1290.3000 IN.
(ATL001)	AEDC VA-422(IA-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100

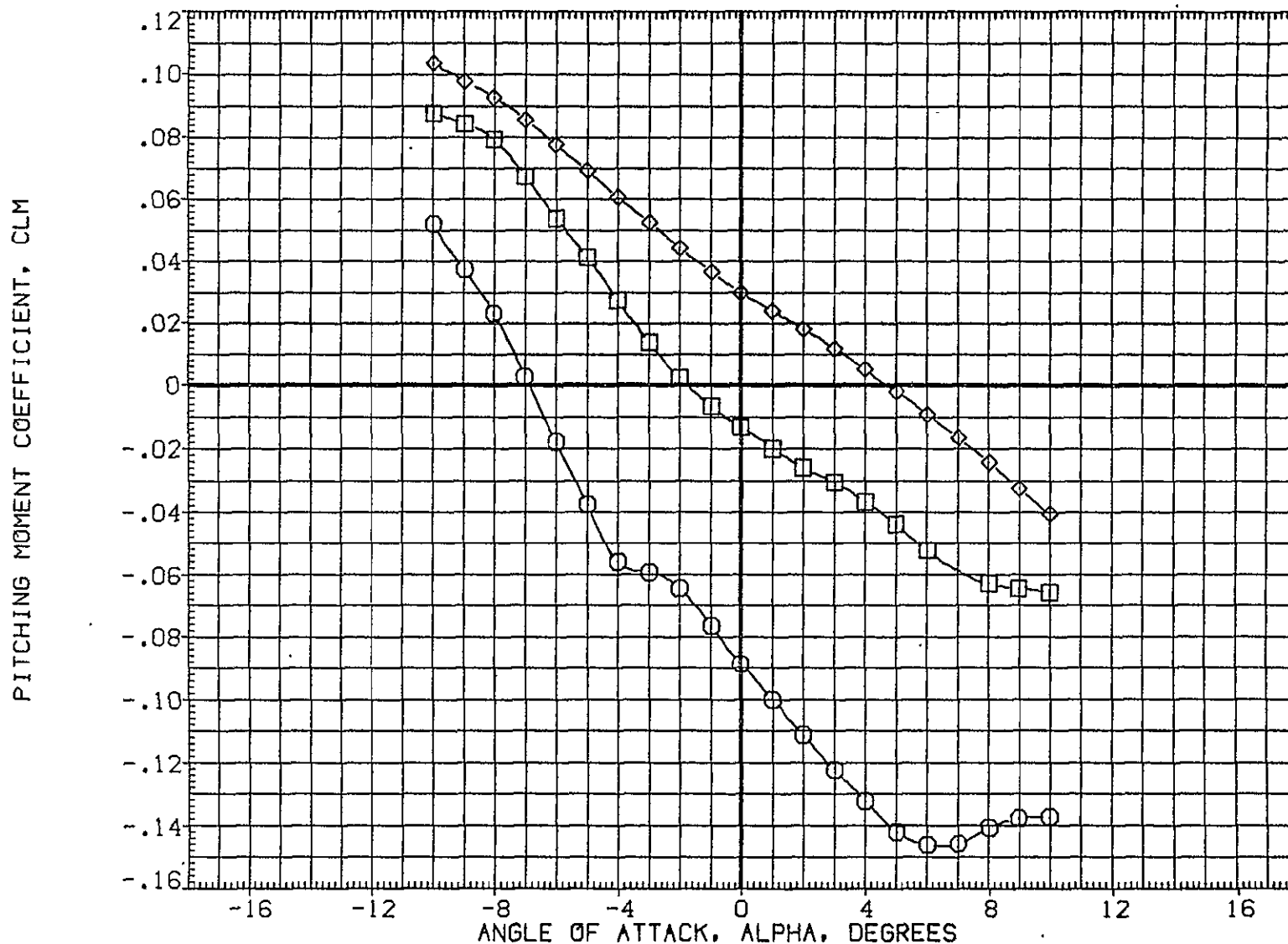


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=1500)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(RTQ054)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(AT0017)	AEDC VA422 1A61 01ET1S1 0/ET (RGHT SRB SEPRNG)	.200	1500.000	1.760	.000	LREF 1290.3000 IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100

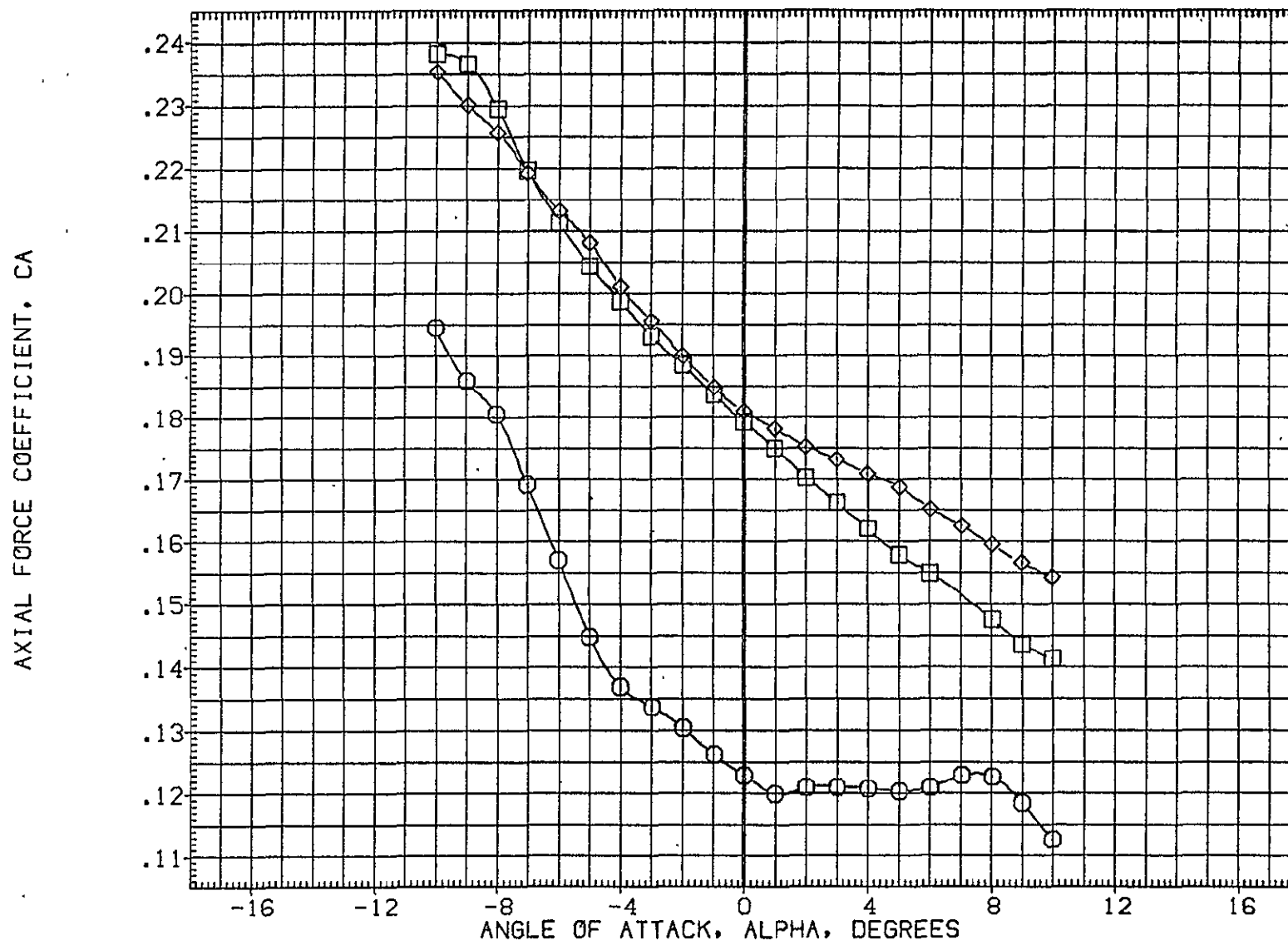


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=1500)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(RT0054)	○ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(AT0017)	□ AEDC VA422 1A61 01ET1S1 0/ET (RGHT SRB SEPRNG)	.200	1500.000	1.760	.000	LREF 1290.3000 IN.
(ATL001)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100

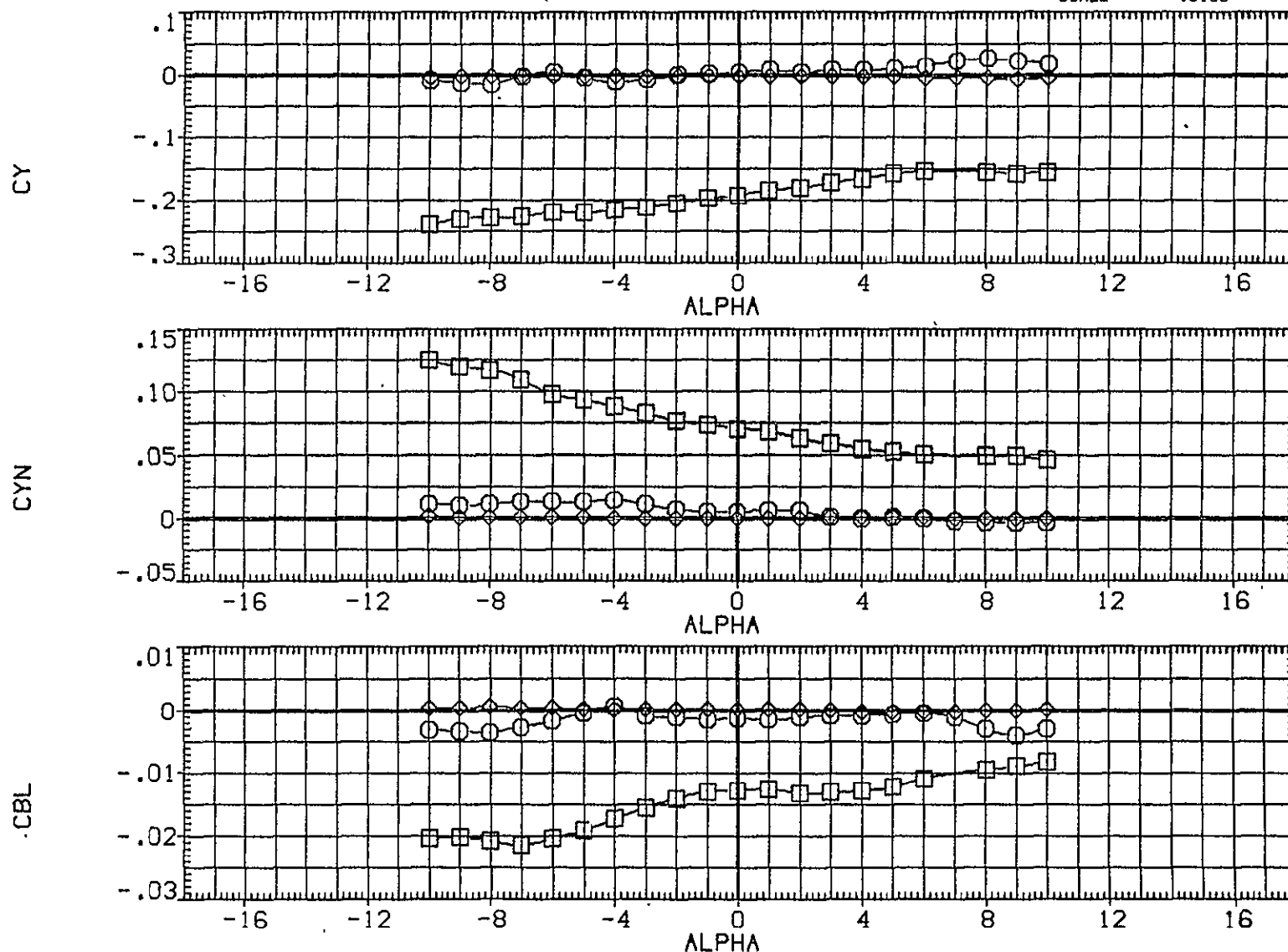


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=1500)

(A)MACH = 4.50

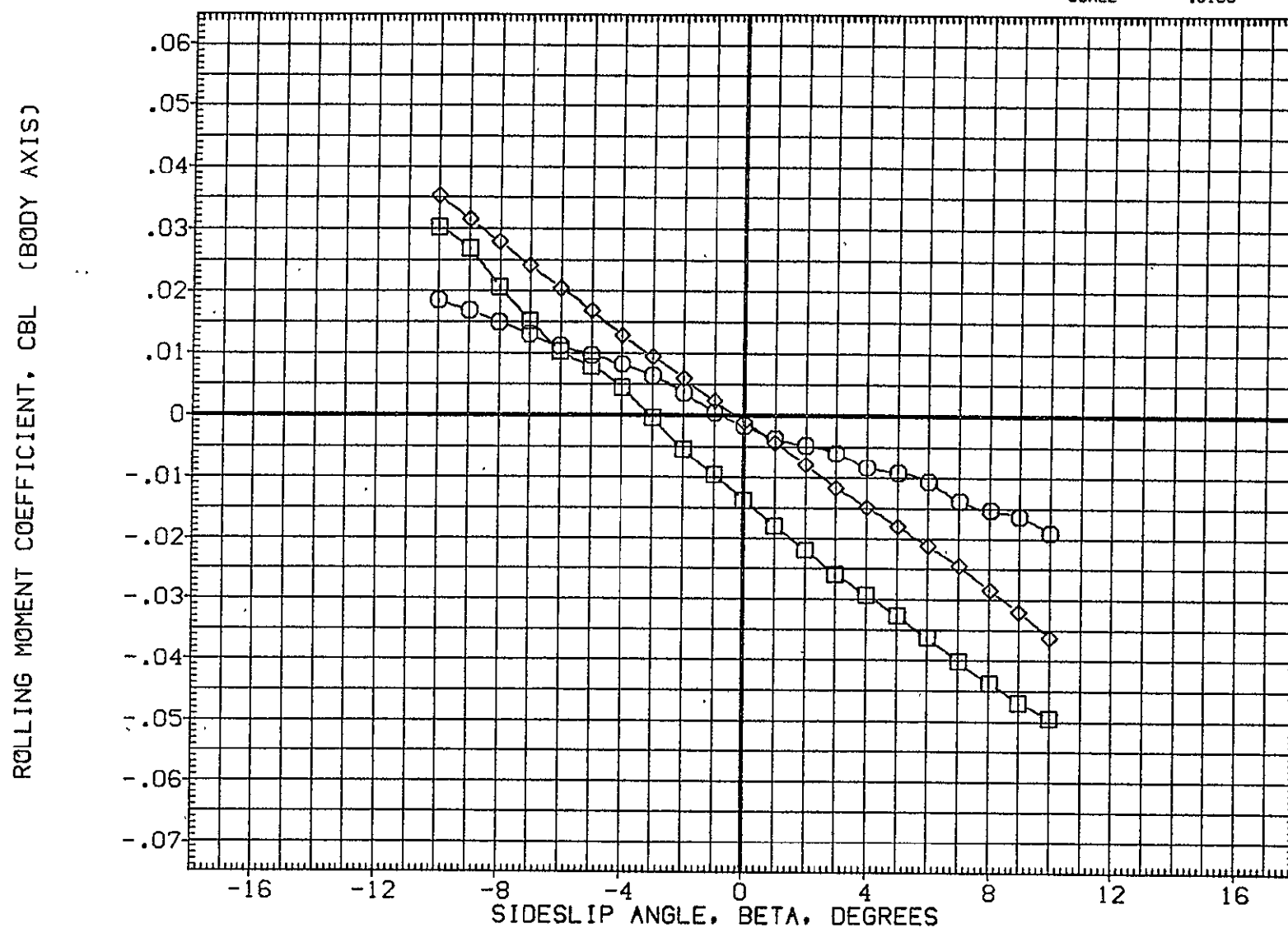
PAGE 155

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RTQ054)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	1500.000	1.760	.000	SREF	2690.0000	50.FT.
(ATQ017)	AEDC VA422 1A61 01ET1S1 0/ET (RGHT SRB SEPRNG)	.200	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=1500)
 (A)MACH = 4.50

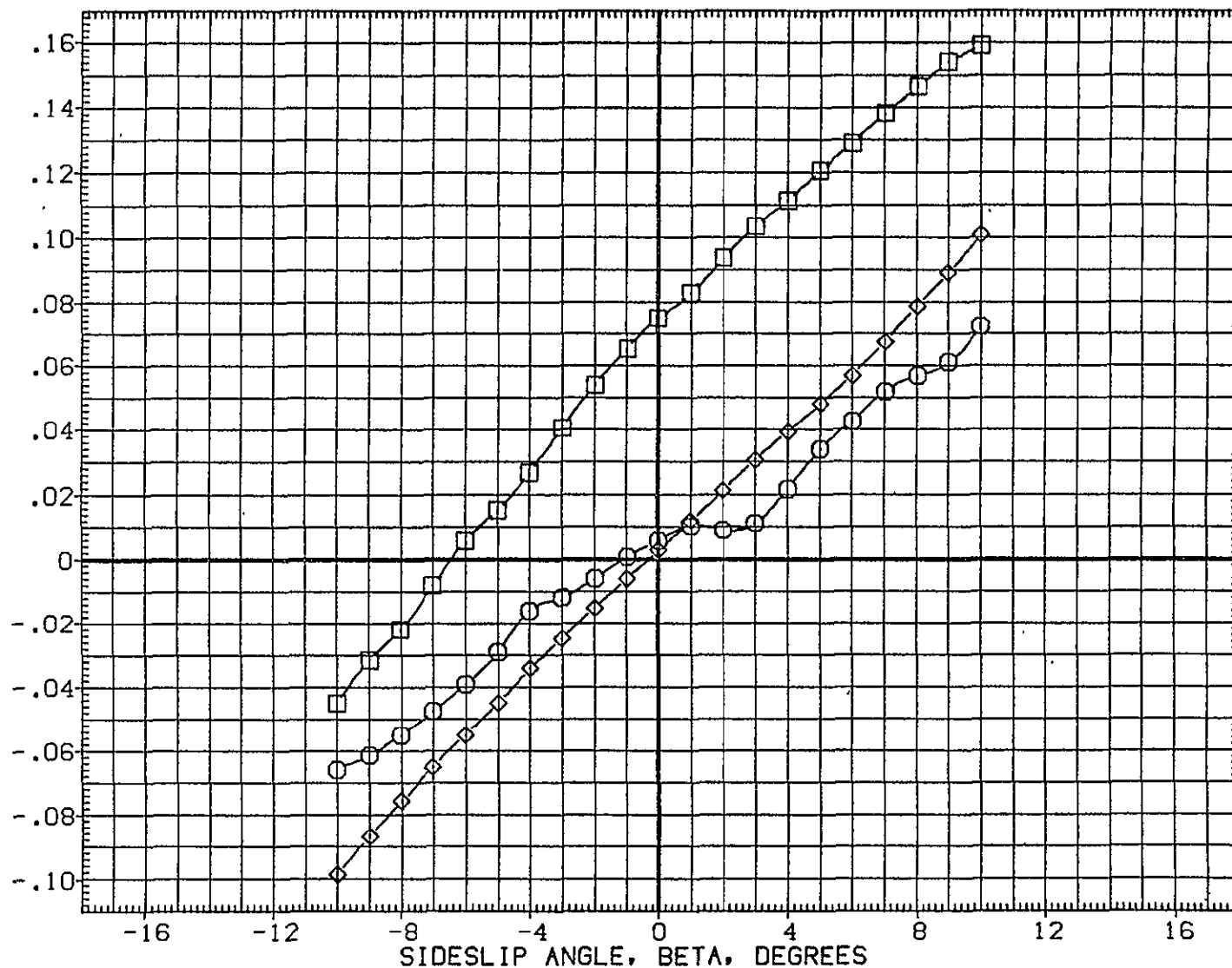
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RT0056)	○ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	2.200	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(RT0018)	□ AEDC VA422 1A61 01ET1S1 O/ET (RGHT SRB SEPRNG)	.200	1500.000	1.760	.000	LREF	1290.3000 IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100



COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.(PJ=1500)
 (A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RTQ056)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(RTQ018)	AEDC VA422 1A61 01ET1S1 0/ET (RGHT SRB SEPRNG)	.200	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

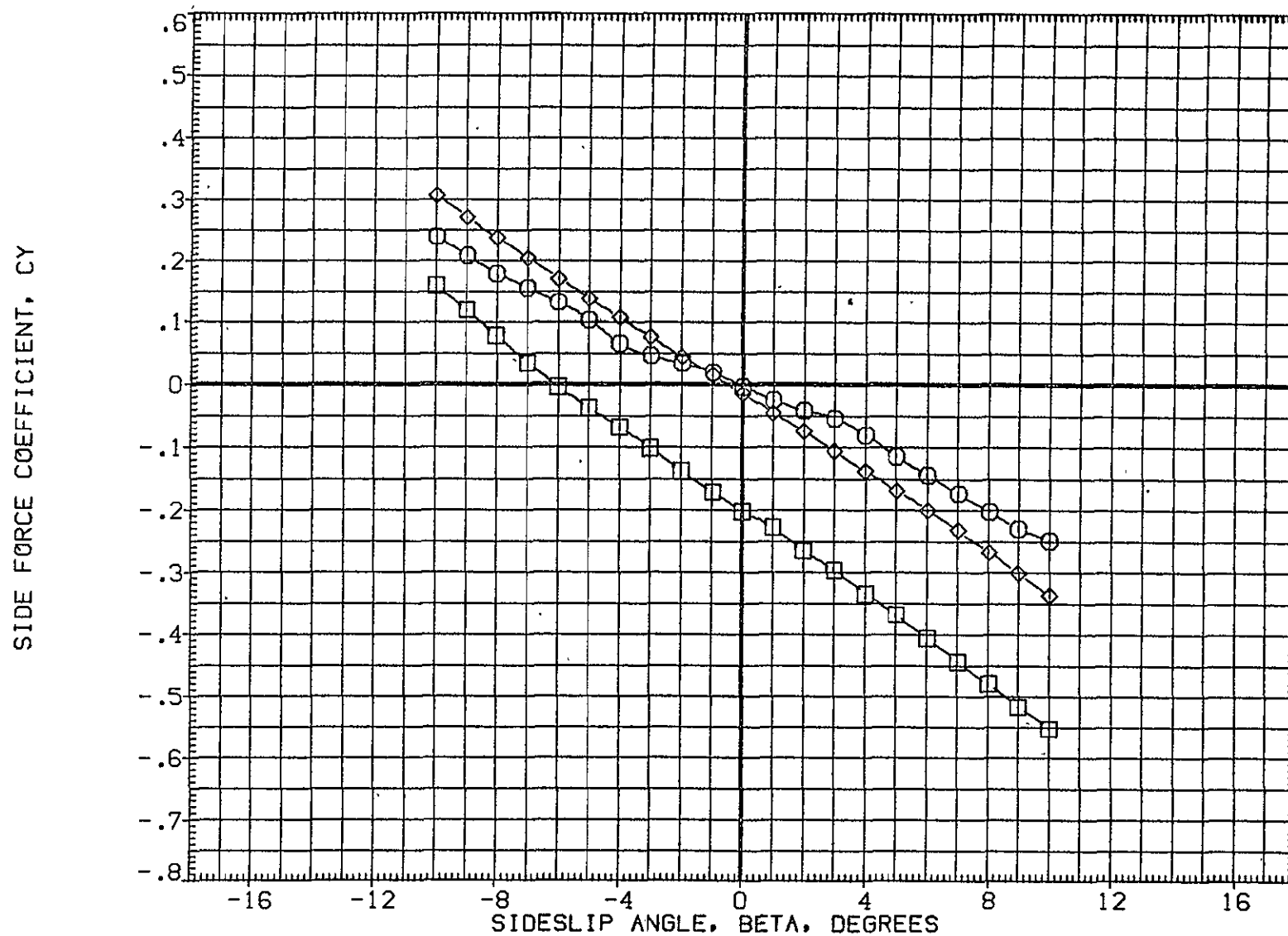


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=1500)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0056)	○ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	2.200	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(RT0018)	□ AEDC VA422 1A61 01ET1S1 O/ET (RGHT SRB SEPRNG)	.200	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

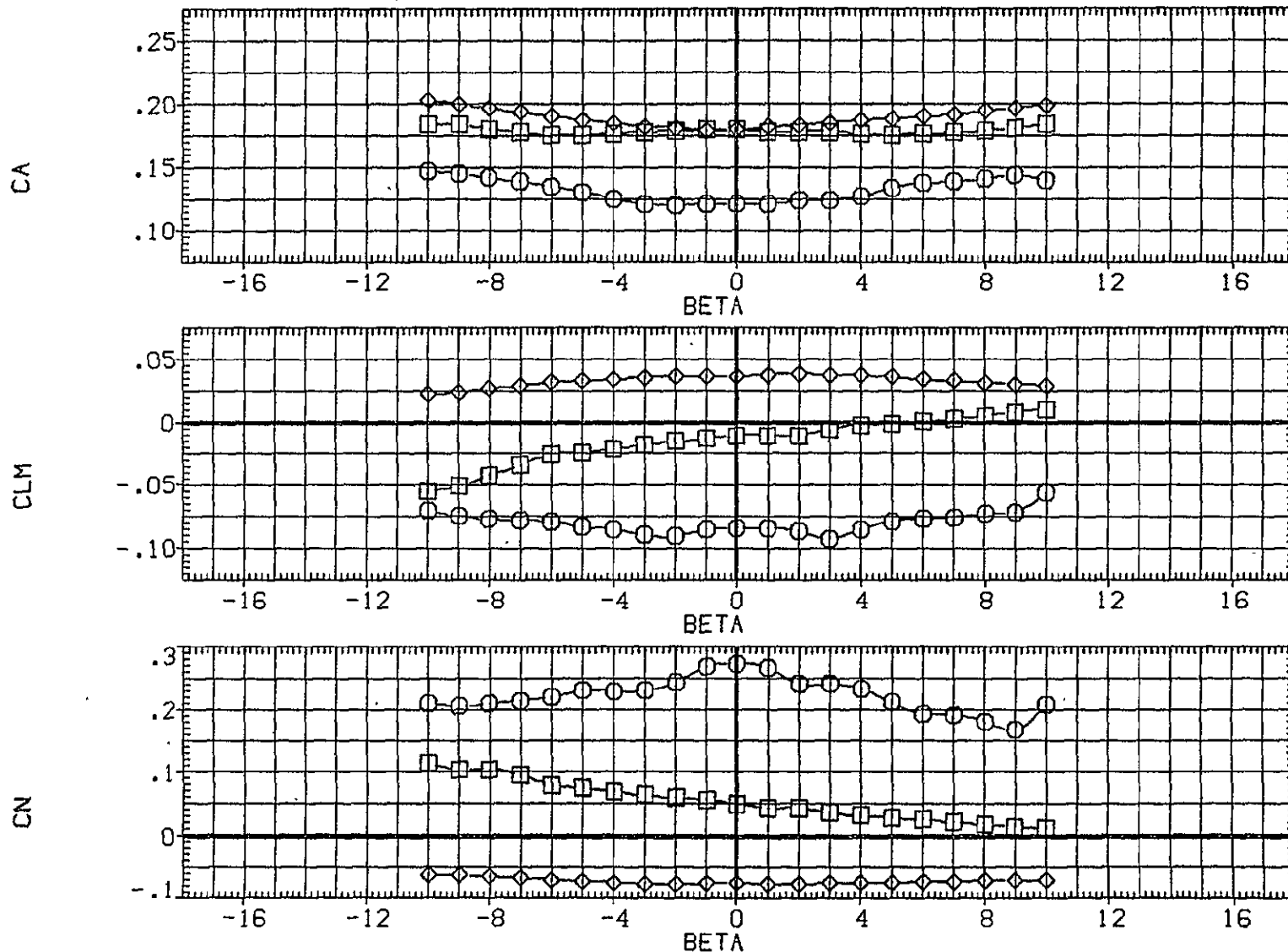


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.(PJ=1500)

(A)MACH = 4.50

PAGE 159

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(RTQ056)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(RTQ018)	AEDC VA422 1A61 01ET1S1 0/ET (RGHT SRB SEPRNG)	.200	1500.000	1.760	.000	LREF 1290.3000 IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.YT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100

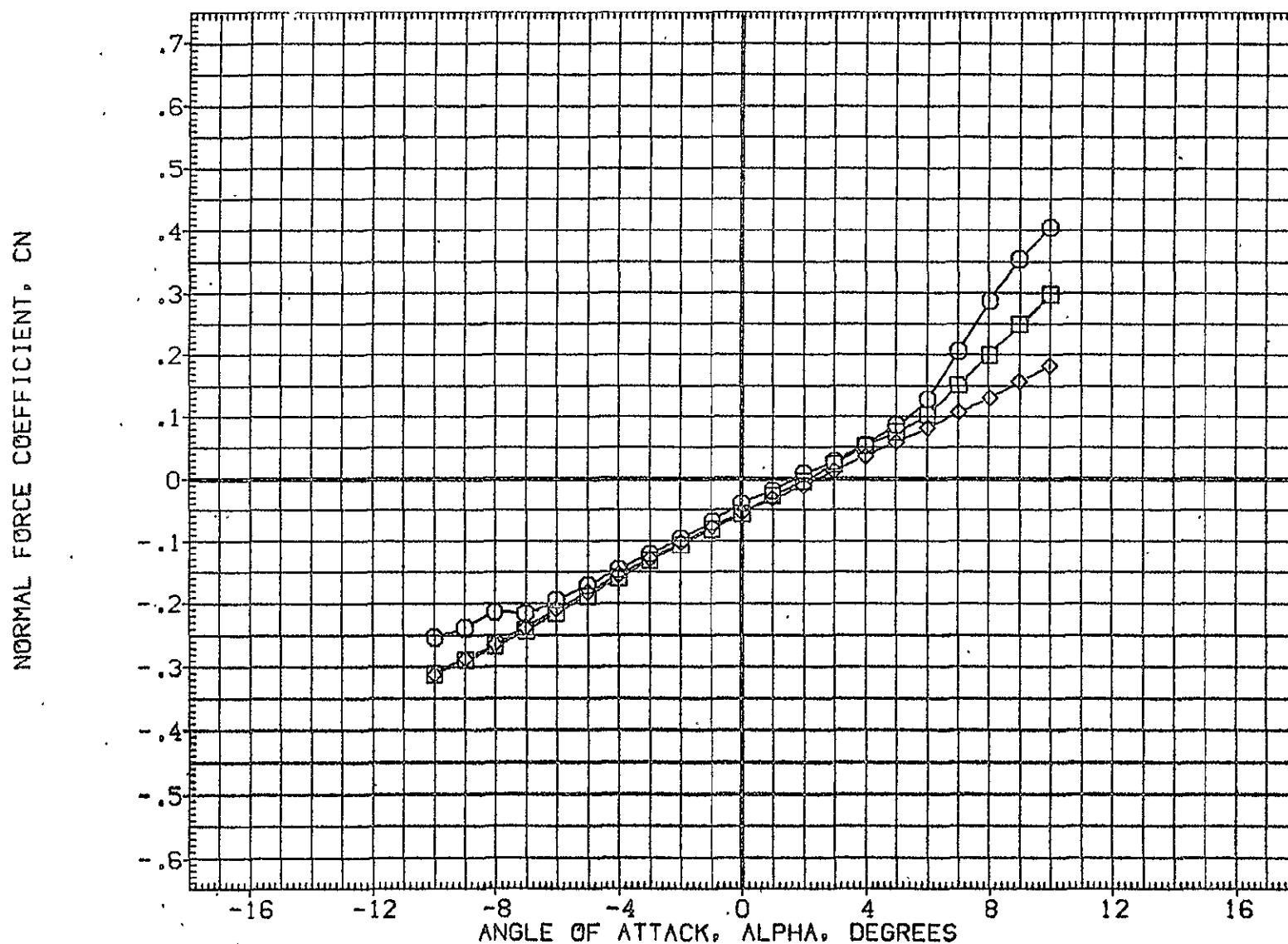


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=1500)

(A)MACH = 4.50

PAGE 160

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(PT007)	AEDC VA-2 (A61 01ETIS) DATA (SRB SEPRING)	3.300	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(R10020)	AEDC VA-2 (A61 01ETIS) O/ET (RGHT SRD SEPRING)	.300	1500.000	1.760	.000	LREF 1290.3000 IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET					BREF 1290.3000 IN.
						XMRF 1052.0000 IN.XT
						YMRF .0000 IN.YT
						ZMRF 447.0000 IN.ZT
						SCALE .0100



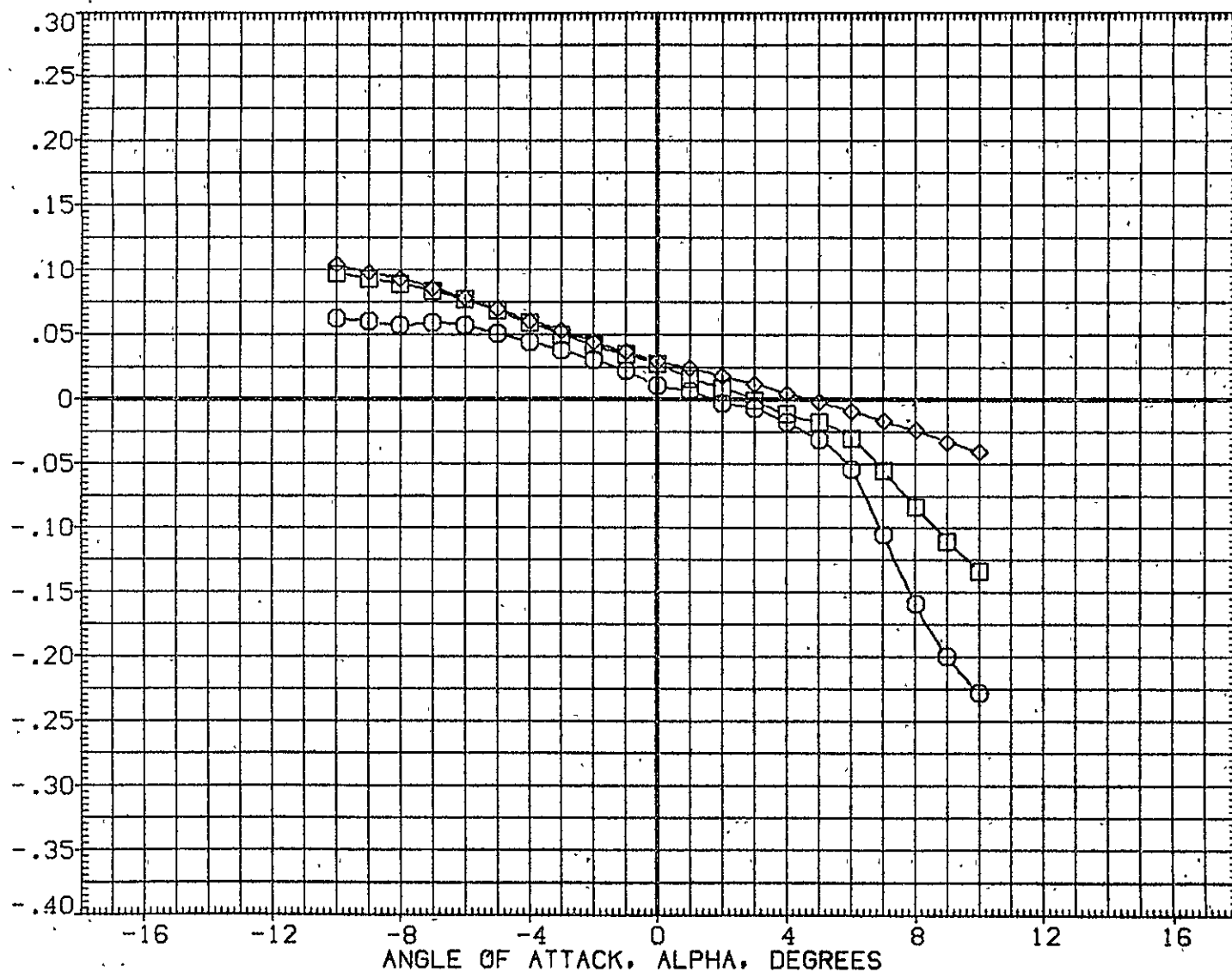
COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.(PJ=1500)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(RT0071)	□ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRING)	3.300	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(RT0020)	○ AEDC VA422 1A61 01ET1S1 O/ET (RGHT SRB SEPRING)	.300	1500.000	1.760	.000	LREF 1290.3000 IN.
(ATL001)	◇ AEDC VA-422(1A-S7), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100

PITCHING MOMENT COEFFICIENT, CLM

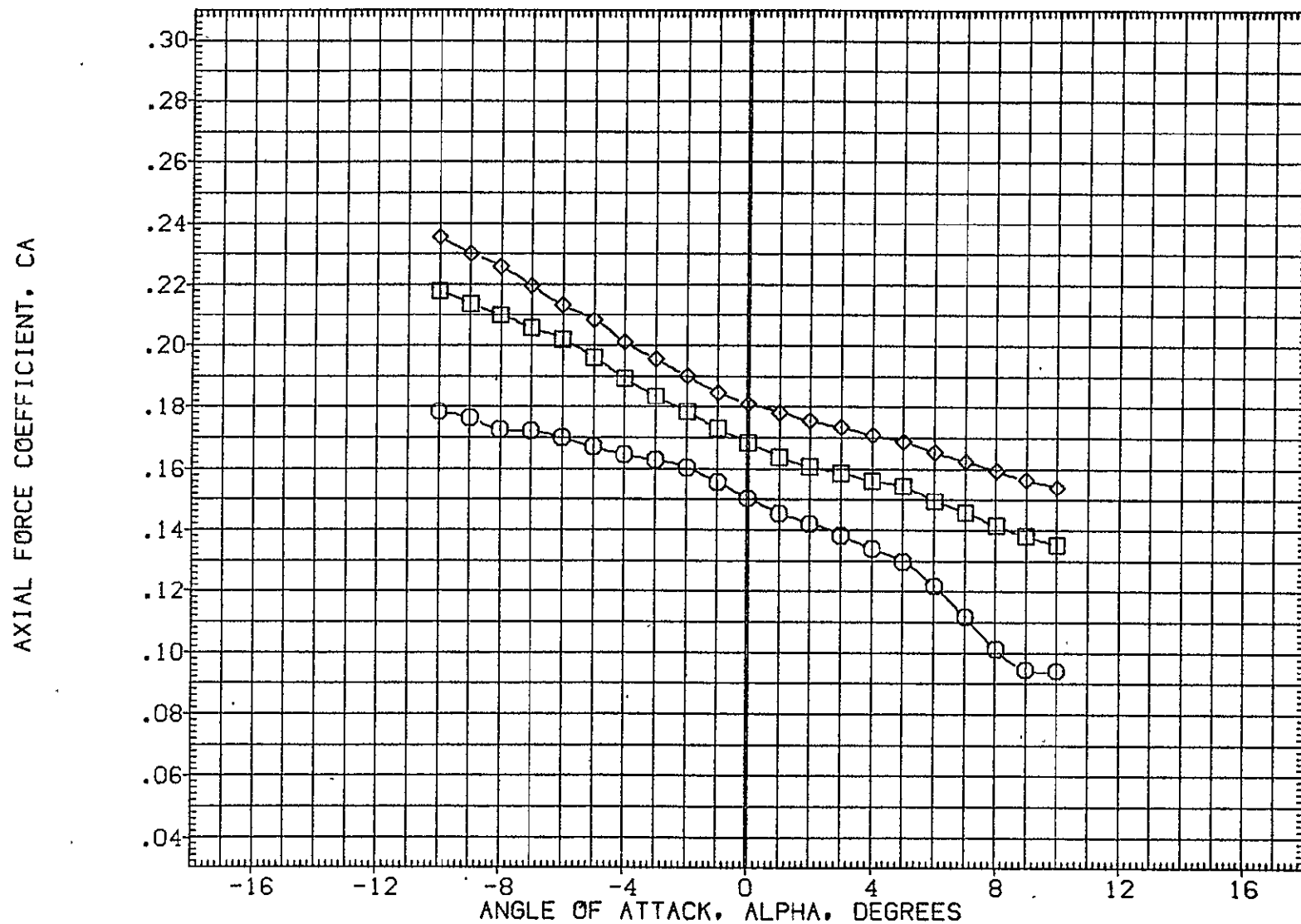


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.(PJ=1500)

(A)MACH = 4.50

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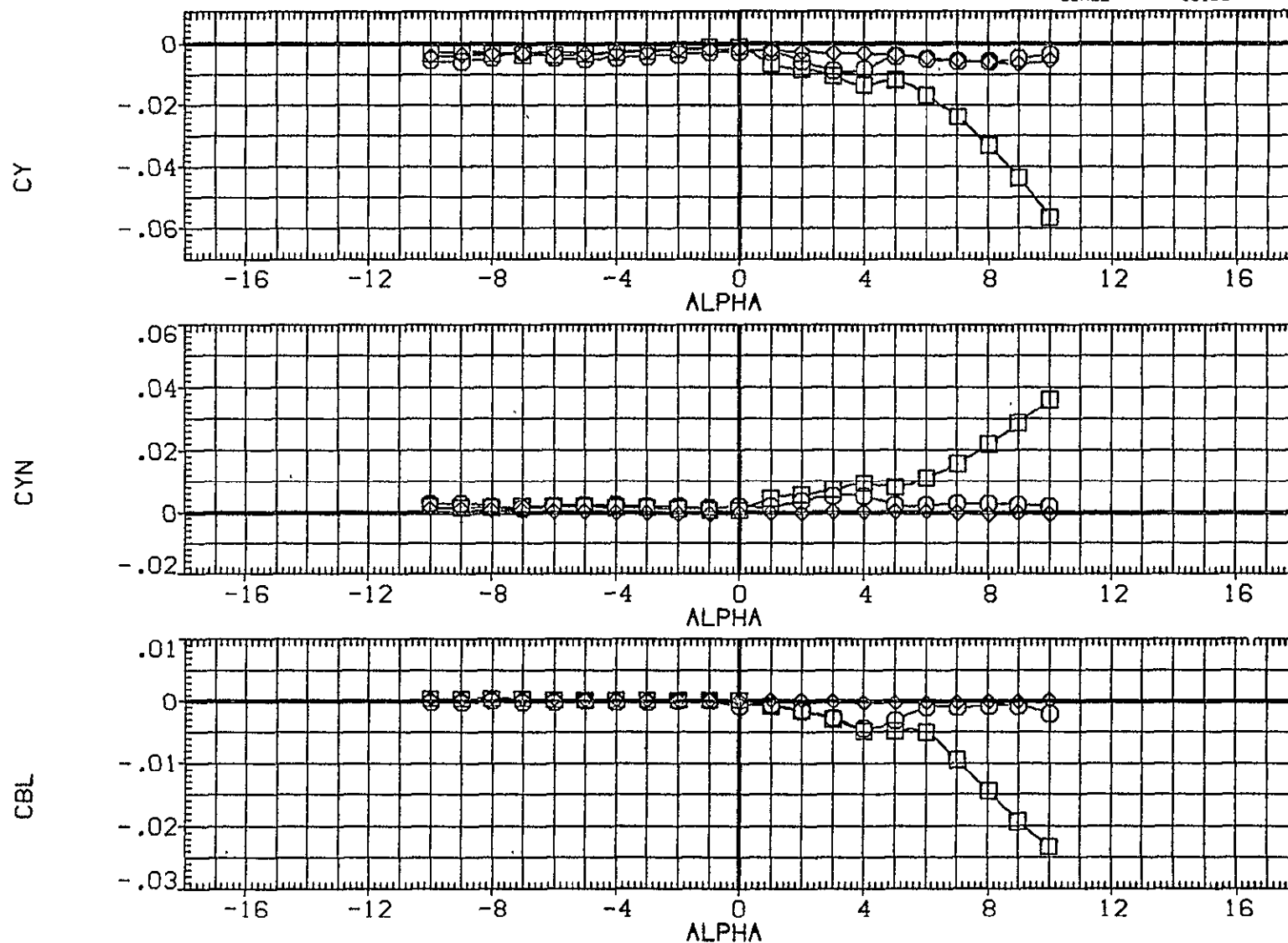
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0071)	○ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	3.300	1500.000	1.760	.000	SREF	2690.0000	50.FT.
(RT0020)	□ AEDC VA422 1A61 01ET1S1 0/ET (RGHT SRB SEPRNG)	.300	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL001)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YI
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=1500)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(RTQ071)	○ AEDC VA422 IAG1 01ET1S1 O/ET DATA (SRB SEPRNG)	3.300	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(RTQ020)	□ AEDC VA422 IAG1 01ET1S1 O/ET (RGHT SRB SEPRNG)	.300	1500.000	1.760	.000	LREF 1290.3000 IN.
(ATL001)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100

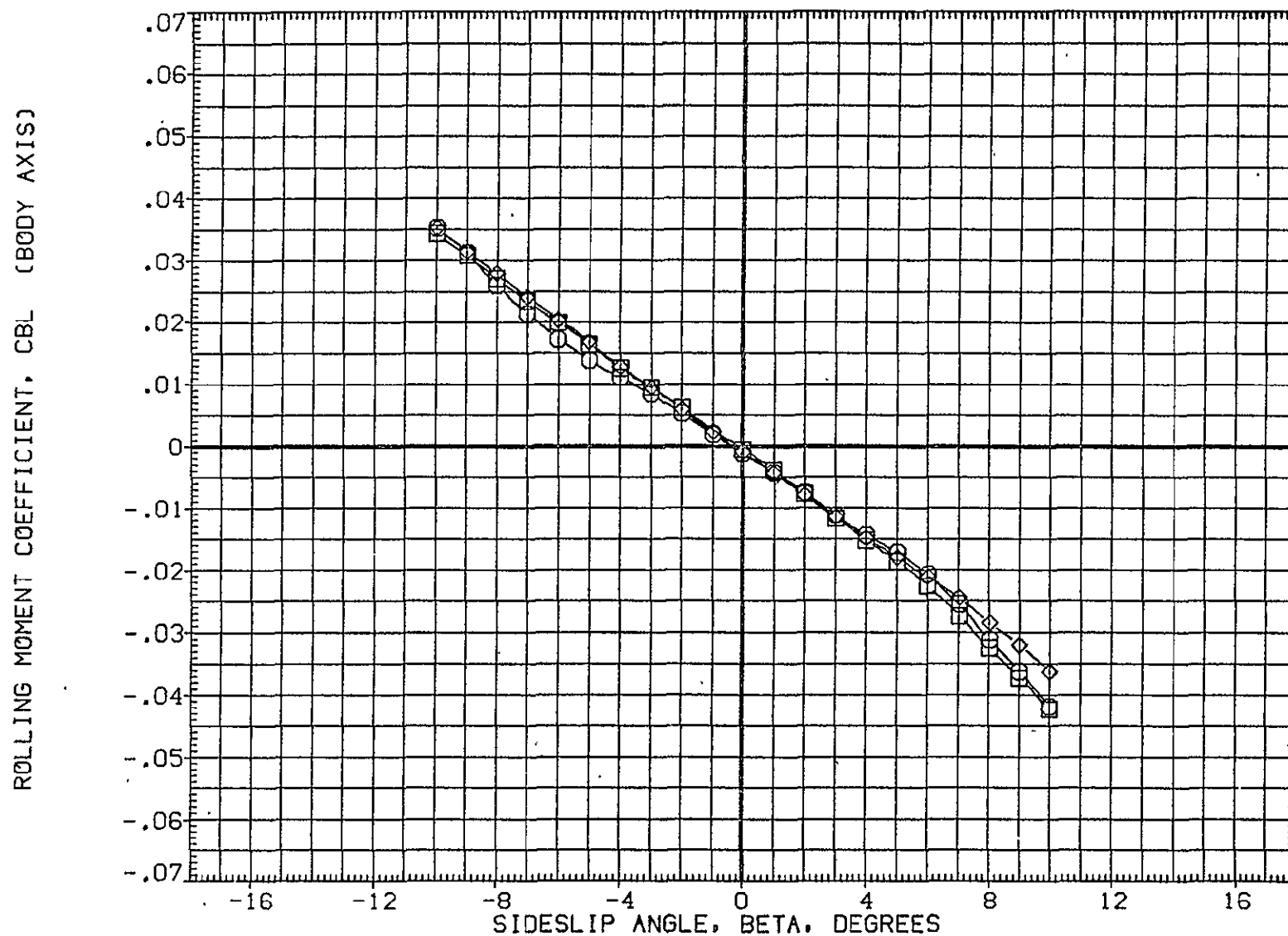


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.(PJ=1500)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(RT0072)	AEDC VA422 (A6) 01ET1S1 0/ET DATA (SRB SEPRNG)	3.300	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(AT0021)	AEDC VA422 (A6) 01ET1S1 0/ET (RGHT SRB SEPRNG)	.300	1500.000	1.760	.000	LREF 1290.3000 IN.
(ATL002)	AEDC VA-422 (A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100



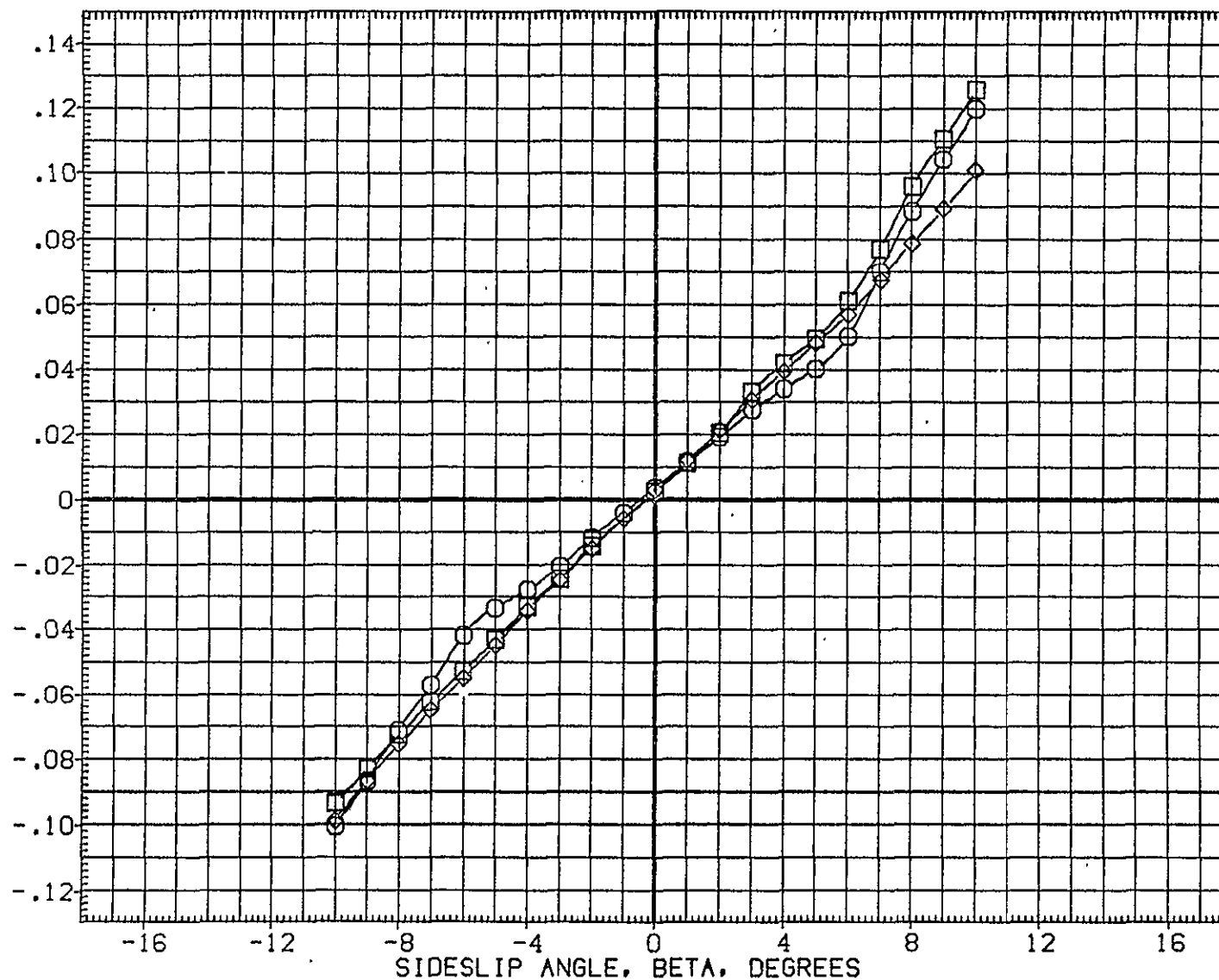
COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=1500)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0072)	□ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	3.300	1500.000	1.760	.000	SREF	2690.0000	50.FT.
(AT0021)	◇ AEDC VA422 1A61 01ET1S1 O/ET (RGHT SRB SEPRNG)	.300	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

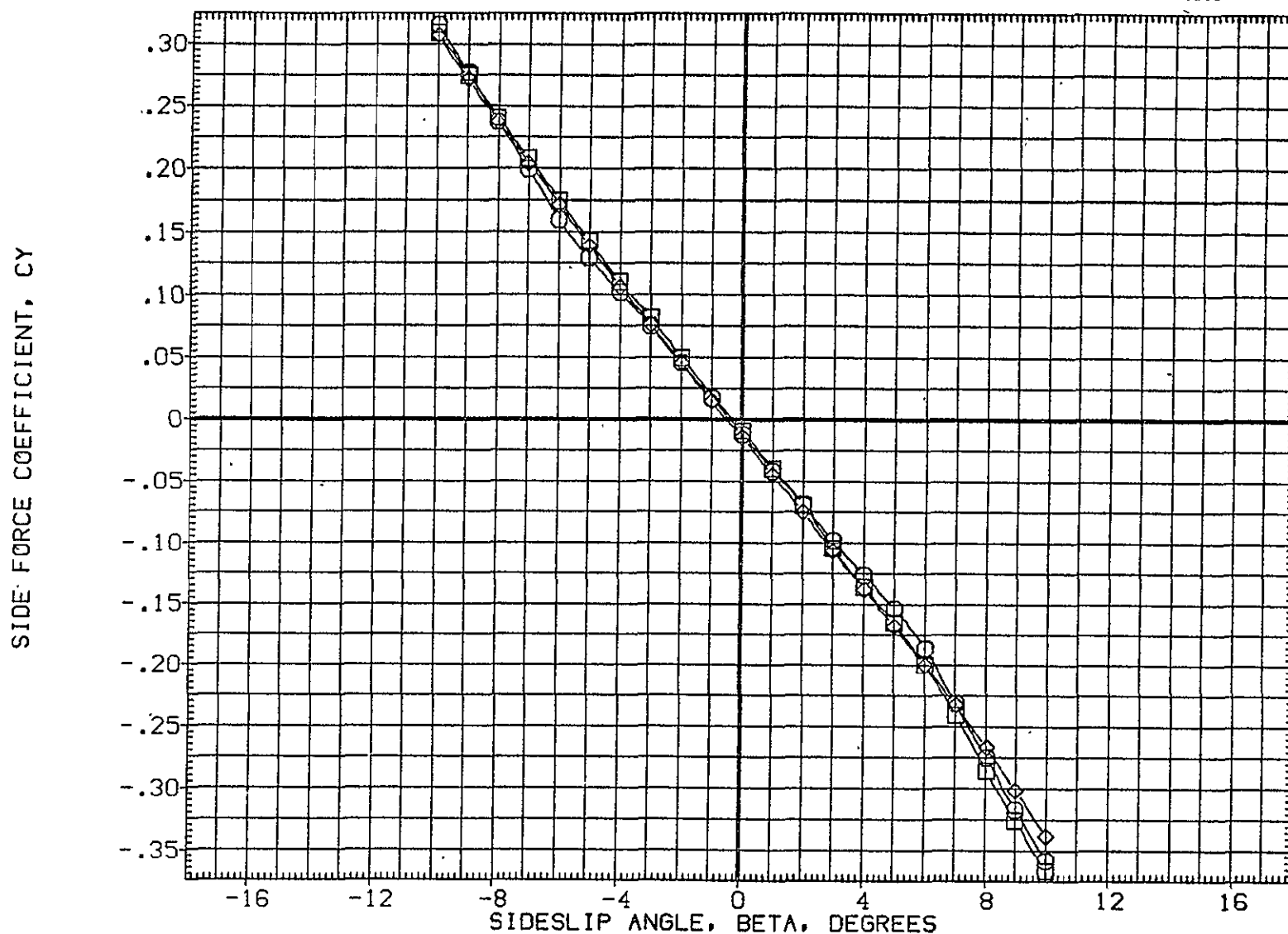


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.(PJ=1500)

(A)MACH = 4.50

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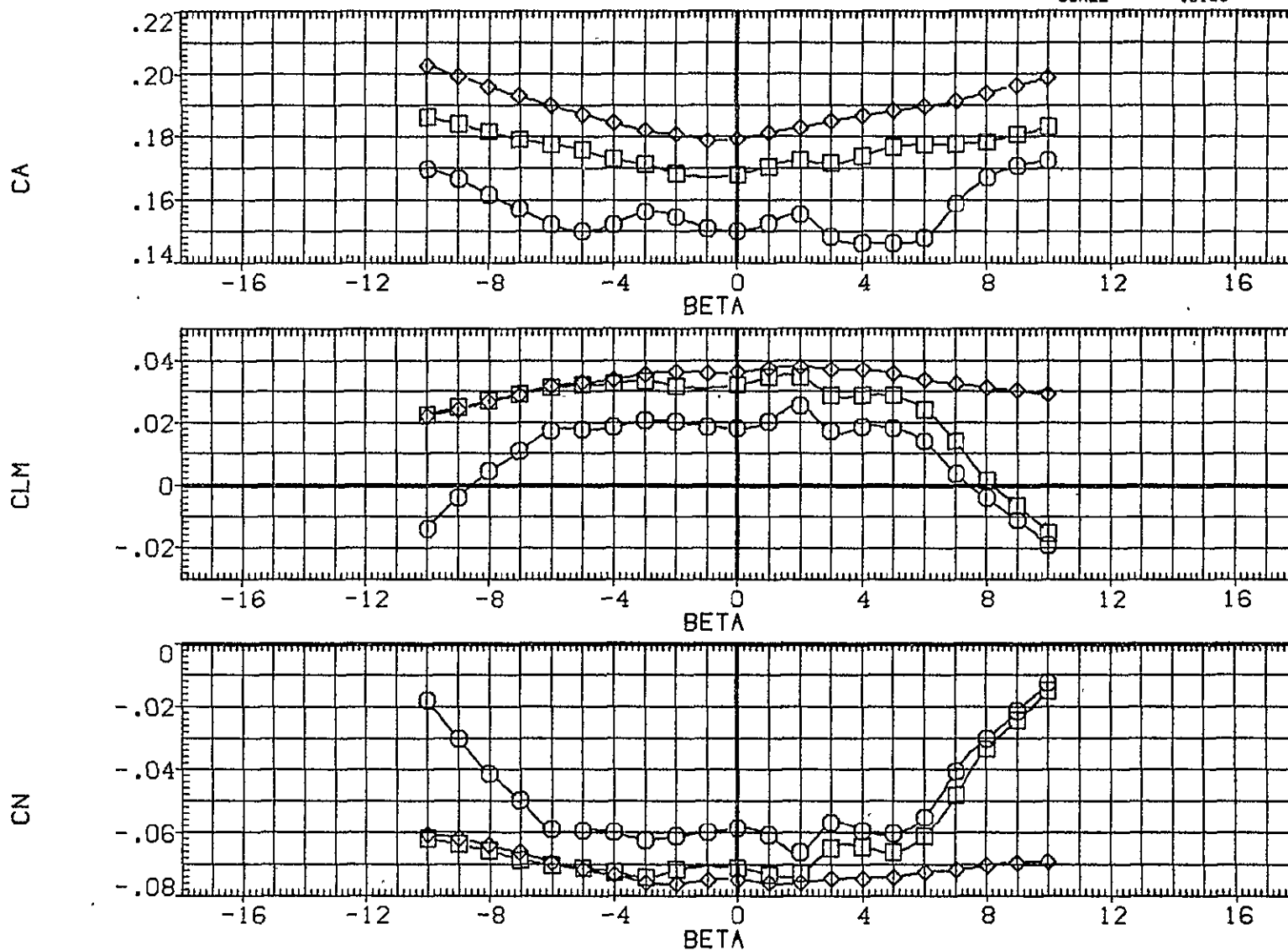
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0072)	○ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	3.300	1500.000	1.760	.000	SREF	2690.0000	50.FT.
(AT0021)	□ AEDC VA422 1A61 01ET1S1 0/ET (RGHT SRB SEPRNG)	.300	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=1500)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RT0072)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	3.300	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(AT0021)	AEDC VA422 1A61 01ET1S1 0/ET (RGHT SRB SEPRNG)	.300	1500.000	1.760	.000	LREF	1290.3000 IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

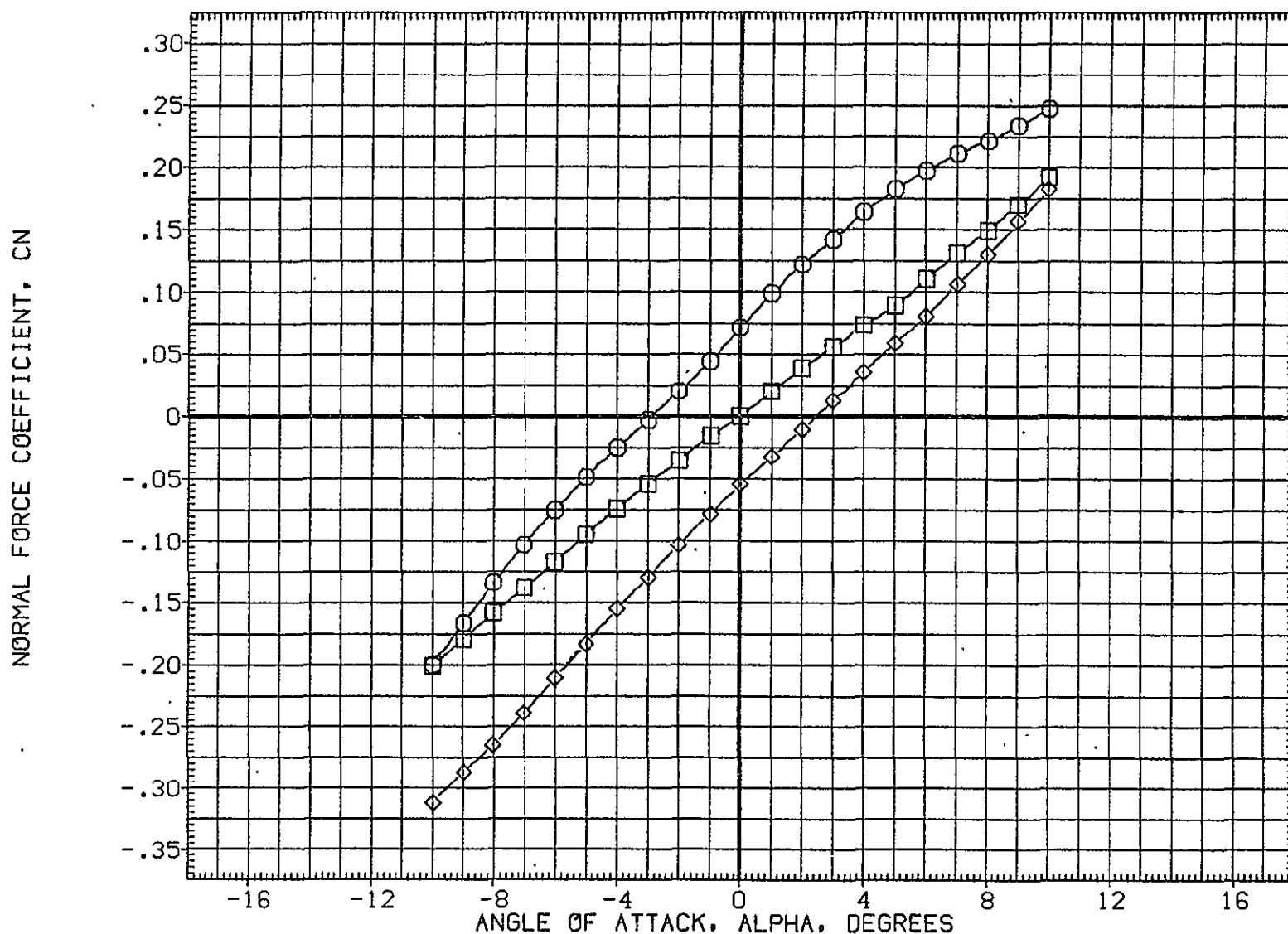


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=1500)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0040)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRTING)	1.100	750.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATLO11)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.100	750.000	1.760	.000	LREF	1290.3000	IN.
(ATLO01)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



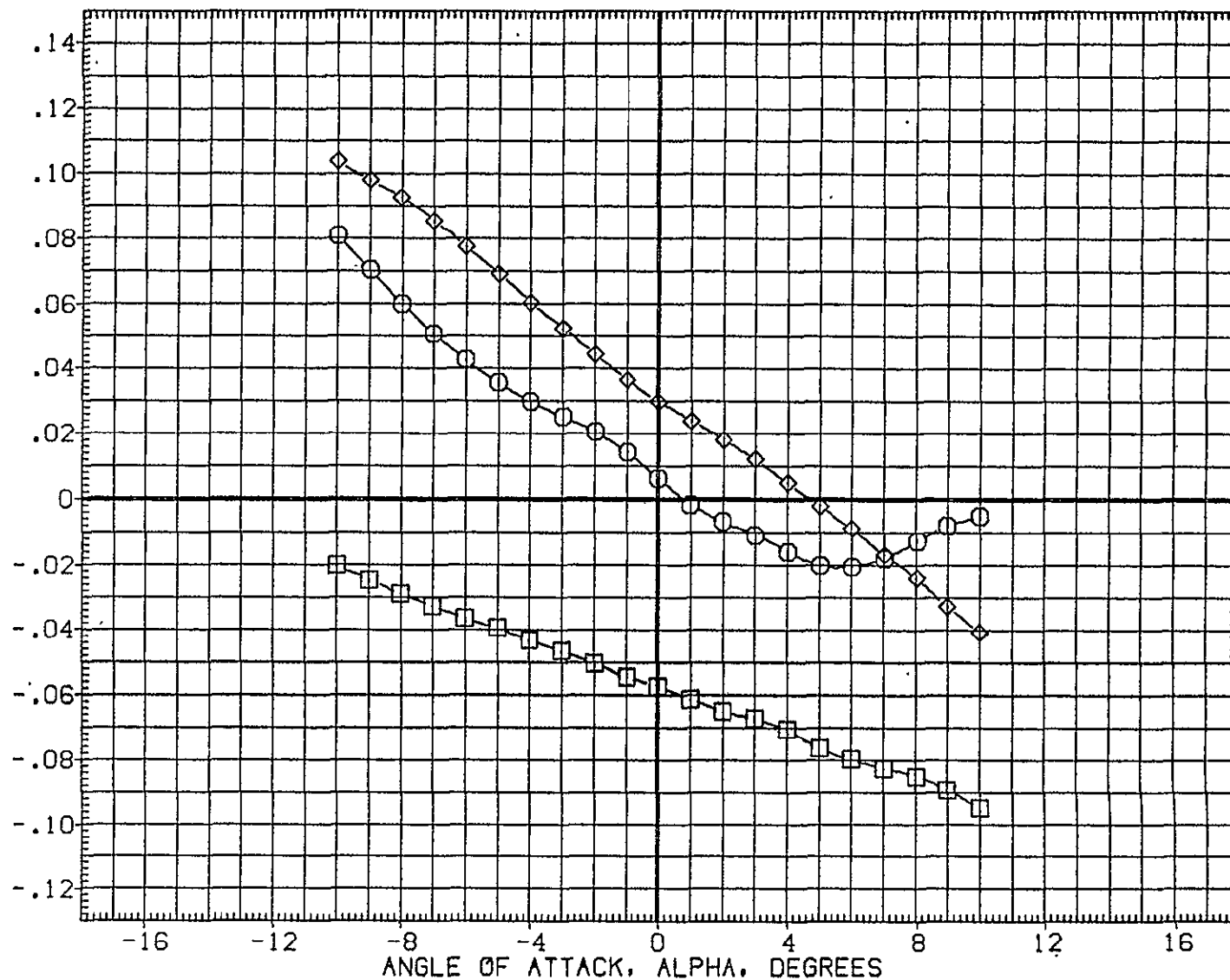
COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=750)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(RT0040)	○ AEDC VA422 (A61 01ET1S1 O/ET DATA (SRB SEPRING)	1.100	750.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATL011)	◇ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.100	750.000	1.760	.000	LREF 1290.3000 IN.
(ATL001)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100

PITCHING MOMENT COEFFICIENT, CLM

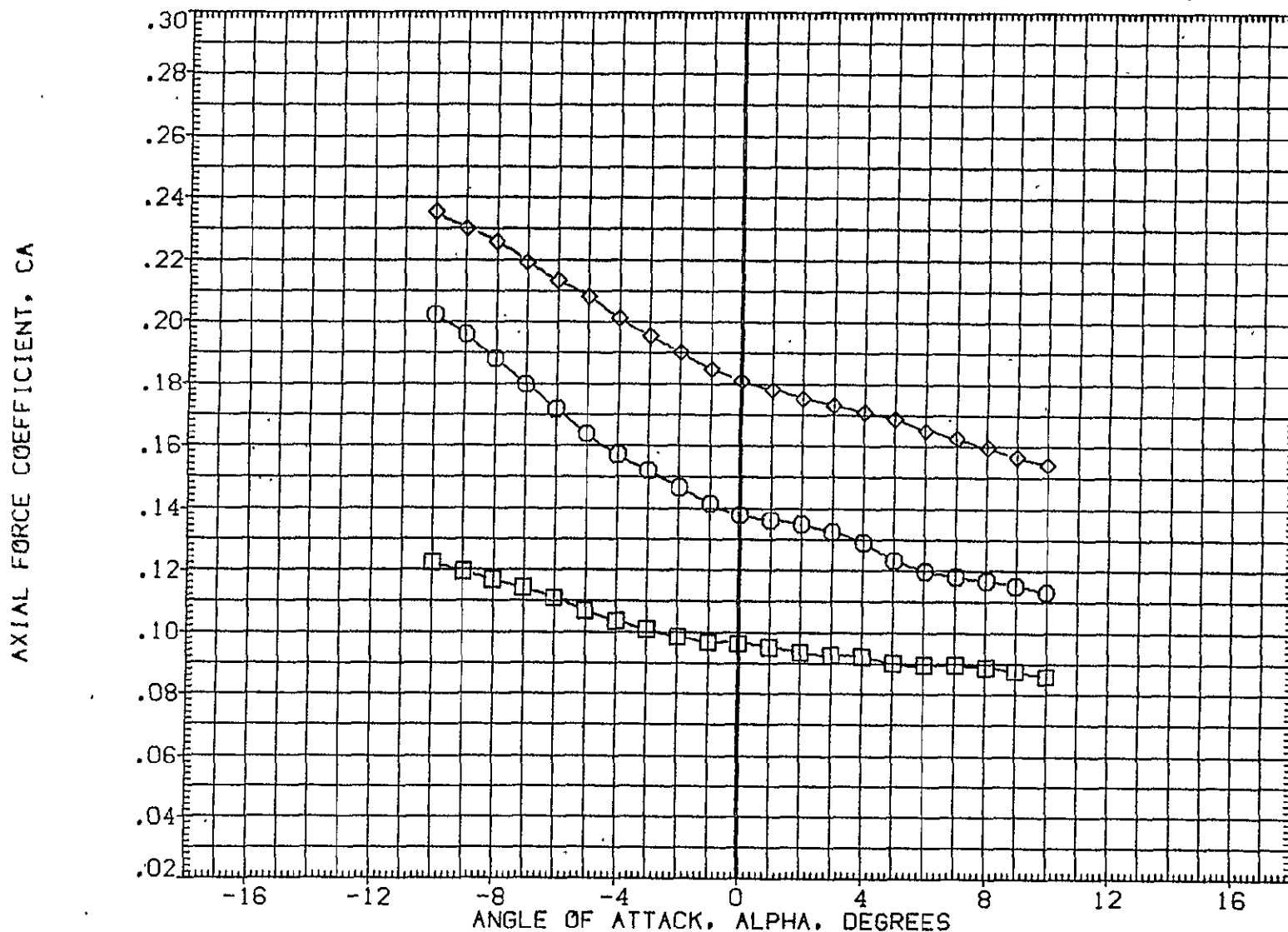


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.(PJ=750)

(A)MACH = 4.50

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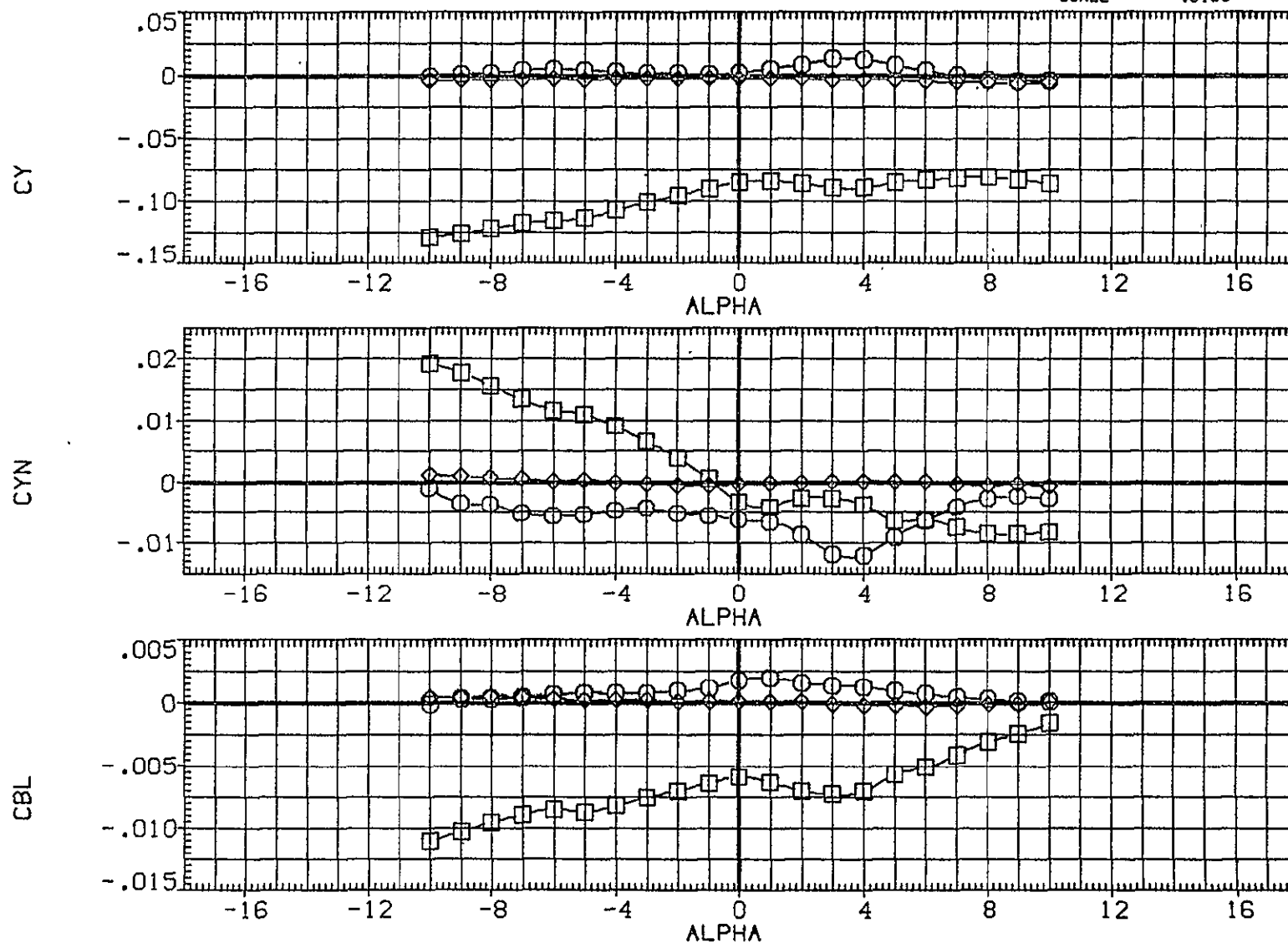
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(RTQ040)	○ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	1.100	750.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATL011)	□ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.100	750.000	1.760	.000	LREF	1290.3000 IN.
(ATL001)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100



COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.(PJ=750)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0040)	AEDC VA422 IAG1 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	750.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL011)	AEDC VA-422(1A-57), 0RB/ET W/RIGHT SRB	.100	750.000	1.760	.000	LREF	1290.3000	IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED 0RB/ET			1.760	.000	BREF	1290.3000	IN.
						XM RP	1052.0000	IN.XT
						YM RP	.0000	IN.YT
						ZM RP	447.0000	IN.ZT
						SCALE	.0100	

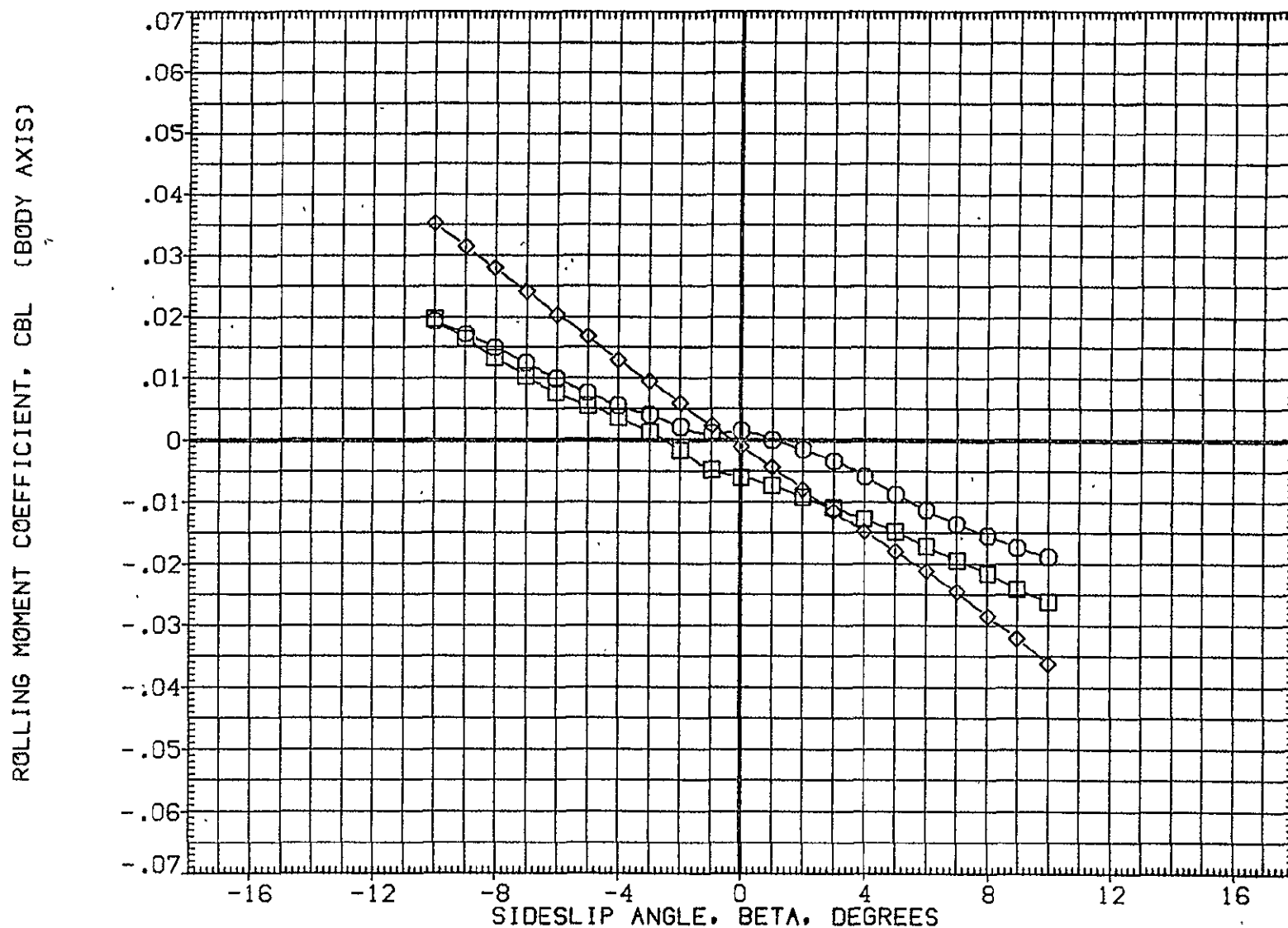


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=750)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0041)	□ AEDC VA422 (A6) 01ETIS1 O/ET DATA (SRB SEPRNG)	1.100	750.000	1.760	.000	SREF	2690.0000	50.FT.
(ATL012)	□ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.100	750.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



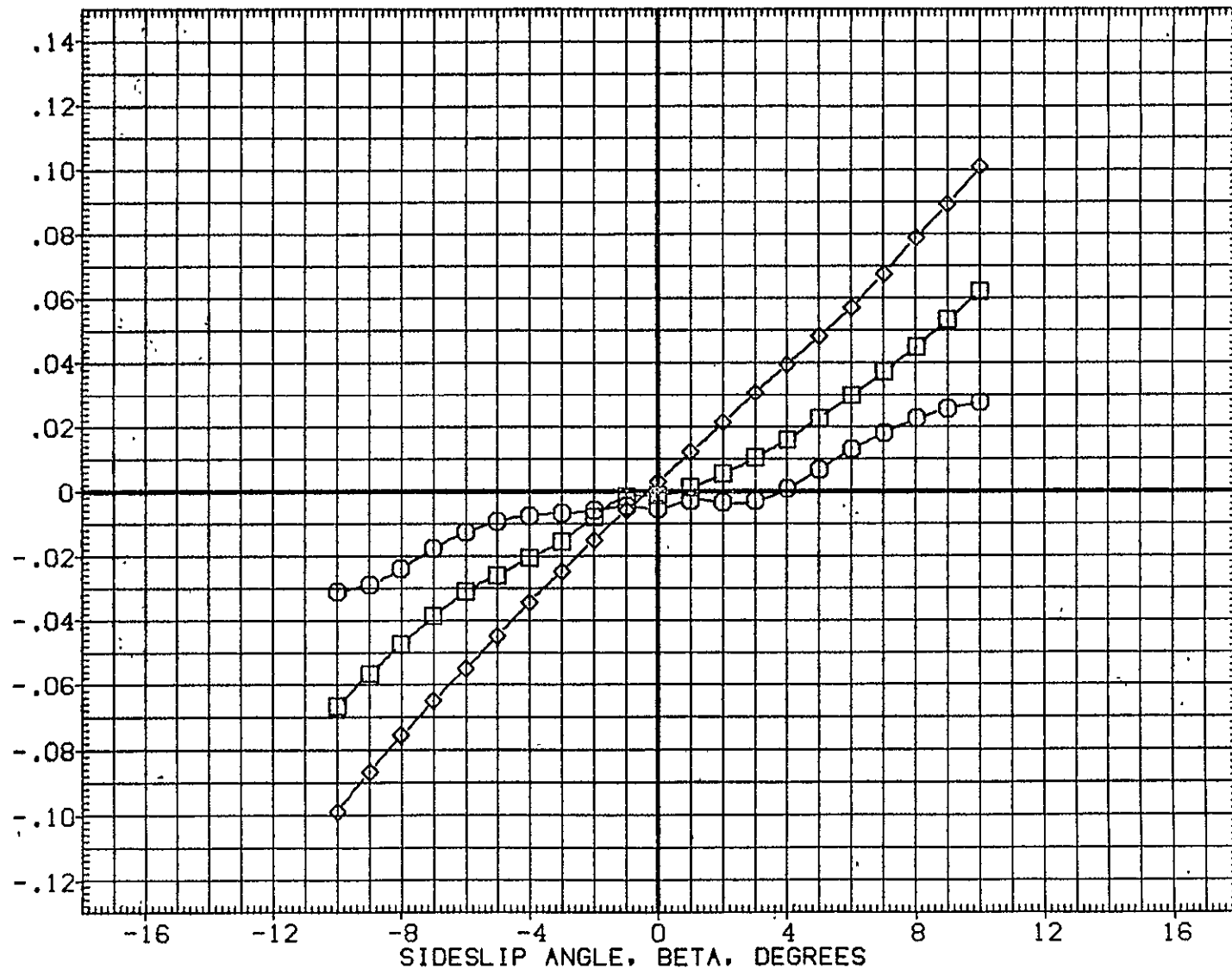
COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.(PJ=750)

(A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RTQ041) ○ AEDC VA422 (A61 01ET1S1 0/ET DATA (SRB SEPRNG)
 (ATL012) □ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB
 (ATL002) ◇ AEDC VA-422(1A-57), ISOLATED ORB/ET

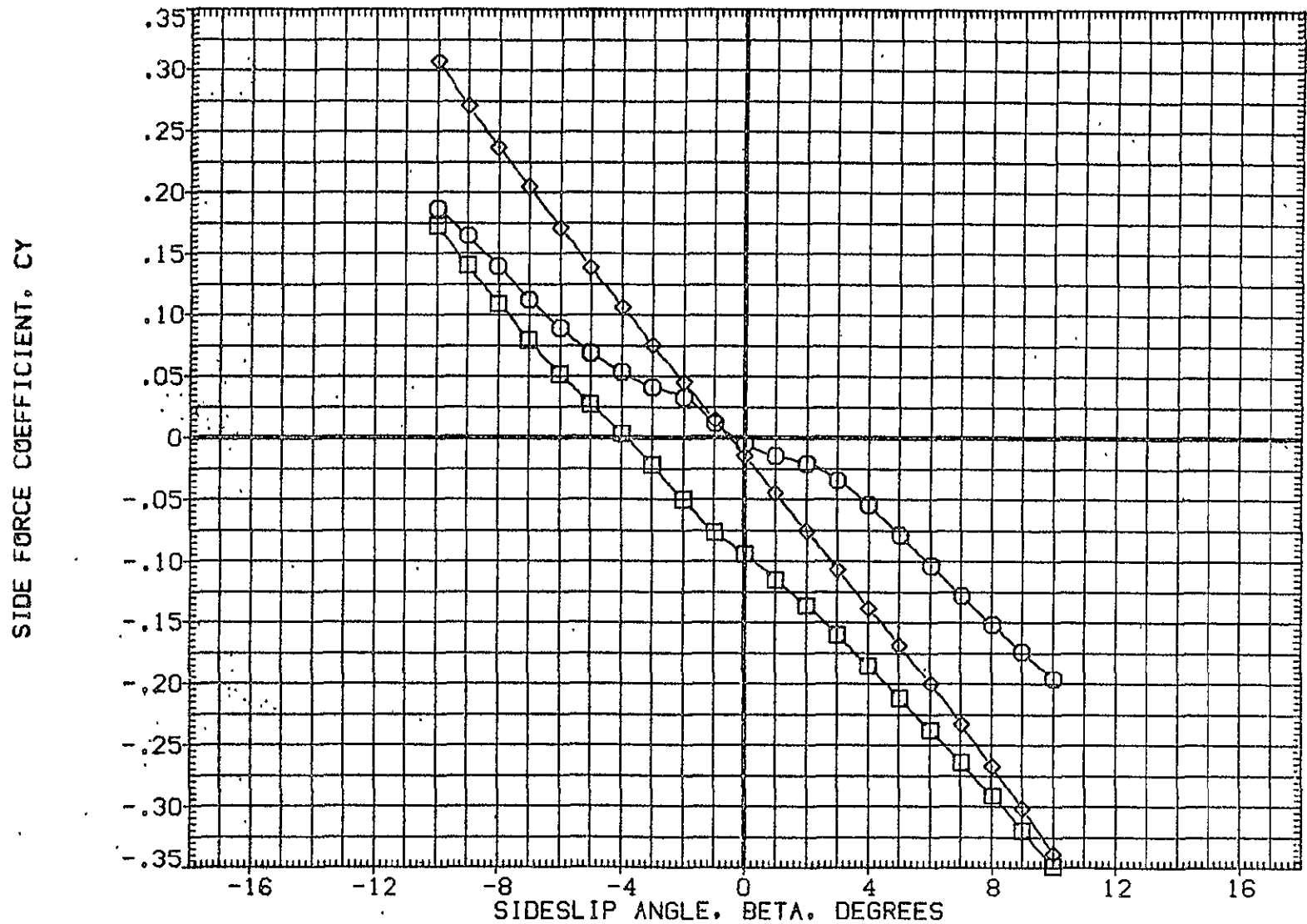
SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
1.100	750.000	1.760	.000	SREF	2690.0000 SQ.FT.
.100	750.000	1.760	.000	LREF	1290.3000 IN.
		1.760	.000	BREF	1290.3000 IN.
				XMRP	1052.0000 IN.XT
				YMRP	.0000 IN.YT
				ZMRP	447.0000 IN.ZT
				SCALE	.0100

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=750)
 (A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(RTQ041)	AEDC VA422 (A61 01ET1S1 O/ET DATA (SRB SEPRING)	1.100	750.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATLO12)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.100	750.000	1.760	.000	LREF 1290.3000 IN.
(ATLO02)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMHP 1052.0000 IN.XT
						YMHP .0000 IN.YT
						ZMHP 447.0000 IN.ZT
						SCALE .0100

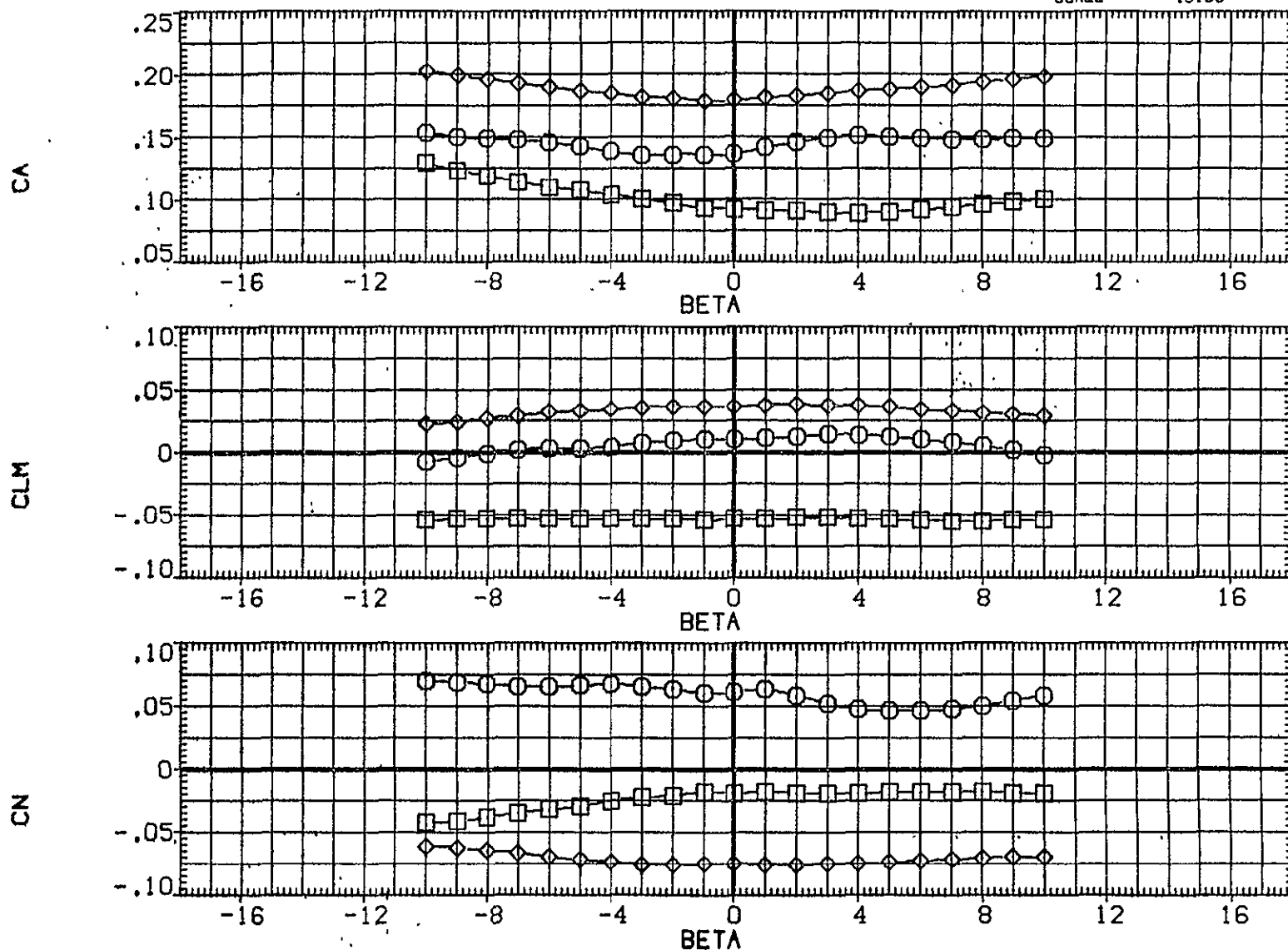


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.(PJ=750)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0041)	AEDC VA422 IA61 O/ET DATA (SRB SEPRNG)	1.100	750.000	1.760	.000	SREF	2690.0000	50.FT.
(ATL012)	AEDC VA-422(IA-57), ORB/ET W/RIGHT SRB	.100	750.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	AEDC VA-422(IA-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						YMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

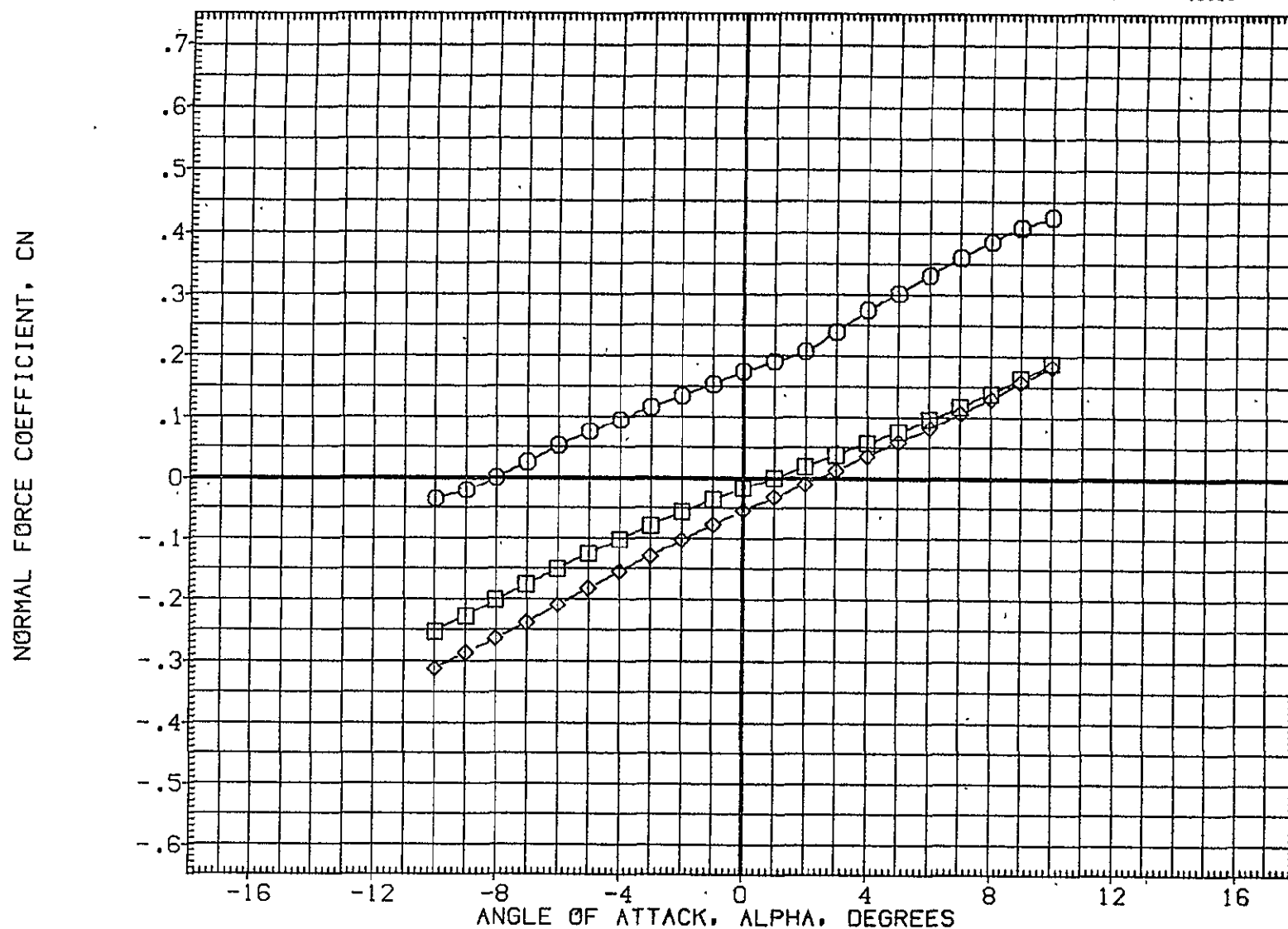


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.(PJ=750)

(A)MACH = 4.50

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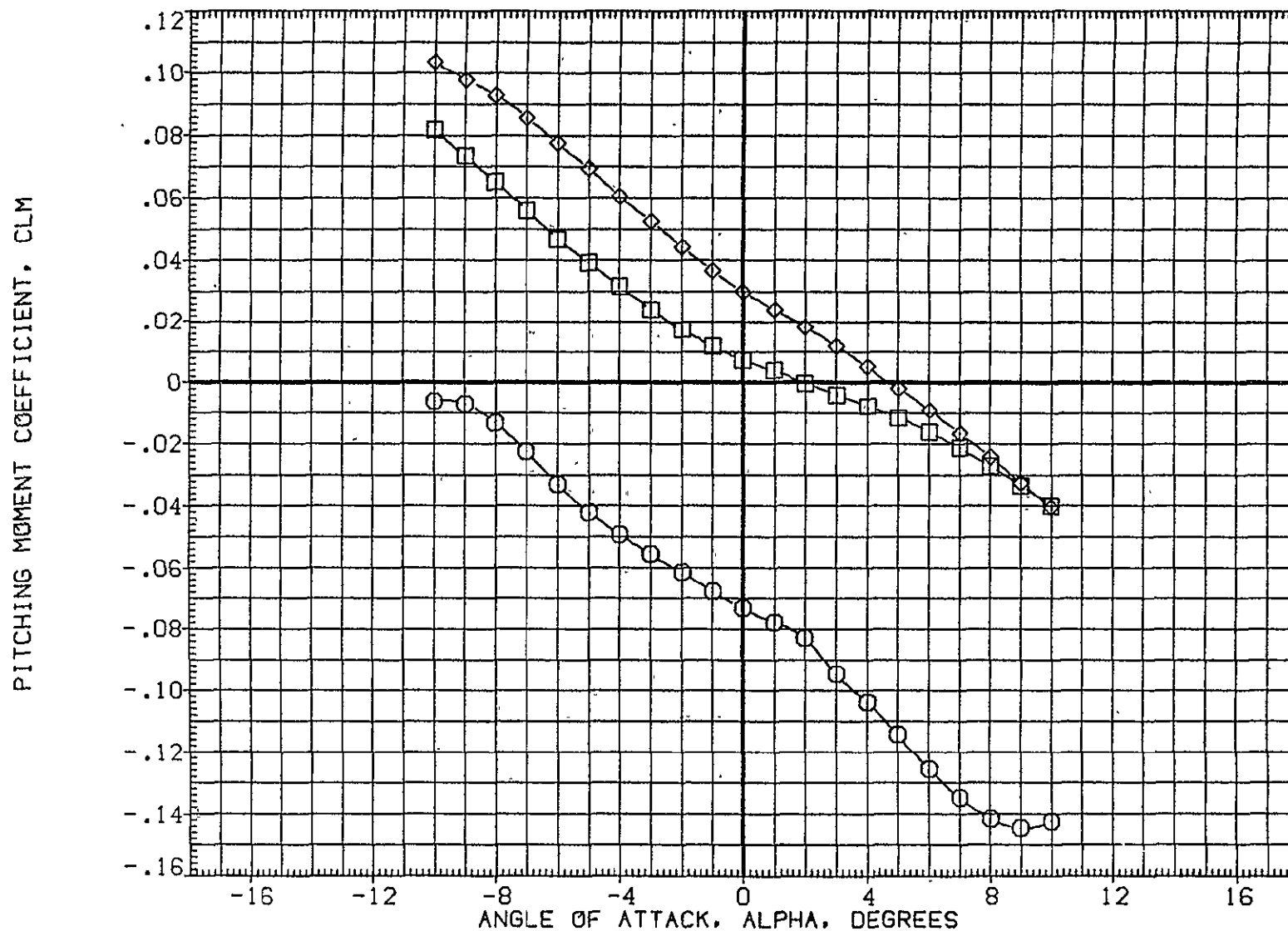
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(RT0052)	AEDC VA422 (A61 01ET1S1 O/ET DATA (SRB SEPRING)	2.200	750.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATLO19)	AEDC VA-422(1A-57). ORB/ET W/RIGHT SRB	.200	750.000	1.760	.000	LREF 1290.3000 IN.
(ATLO01)	AEDC VA-422(1A-57). ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100



COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.(PJ=750)

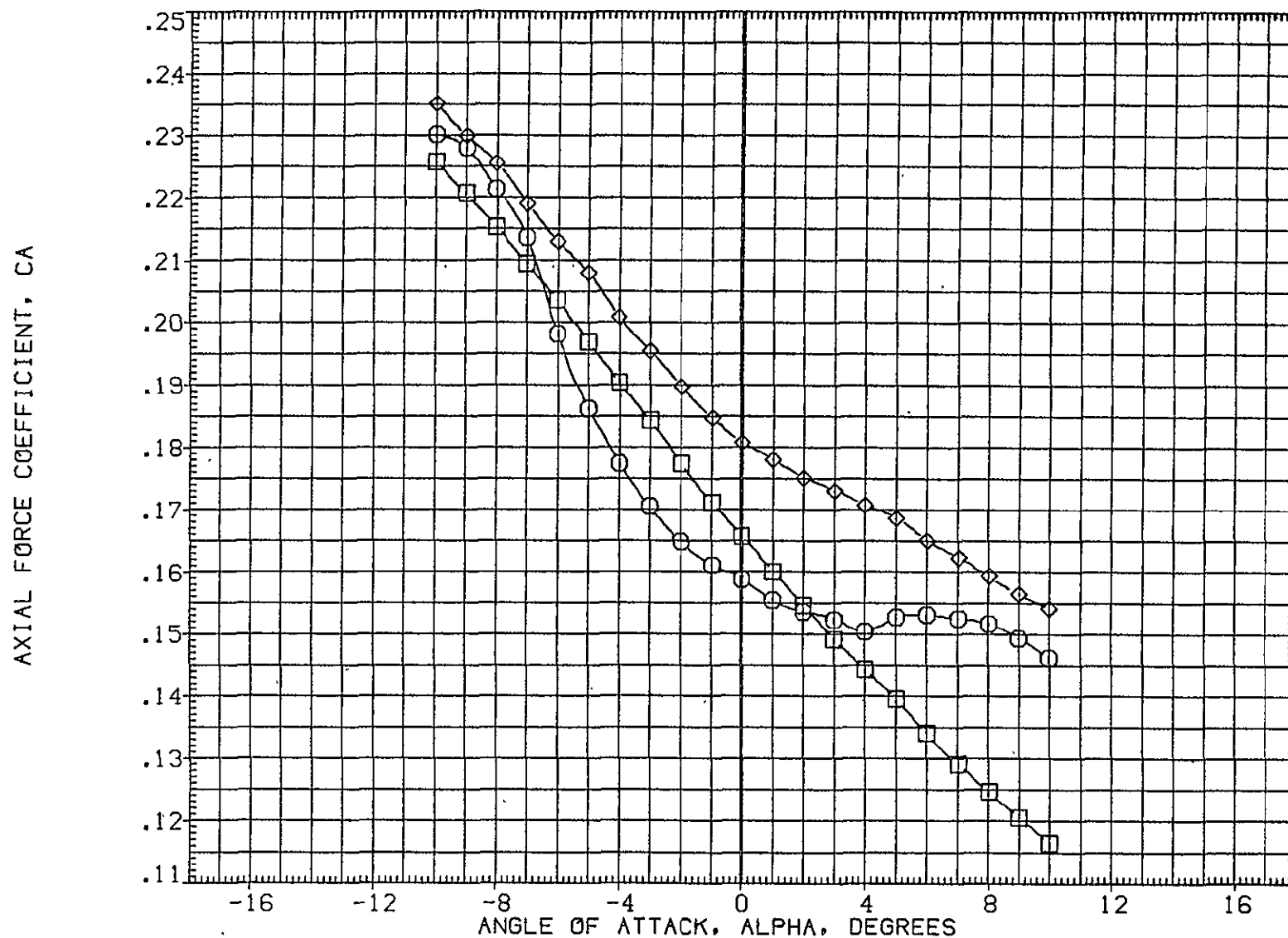
(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RTQ052)	□ AEDC VA422 IAG1 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	750.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL019)	□ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.200	750.000	1.760	.000	LREF	1290.3000	IN.
(ATL001)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=750)
 (A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RTQ052)	○ AEDC VA422 (A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	750.000	1.760	.000	SREF	2690.0000	50.FT.
(ATLO19)	□ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.200	750.000	1.760	.000	LREF	1290.3000	IN.
(ATLO01)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

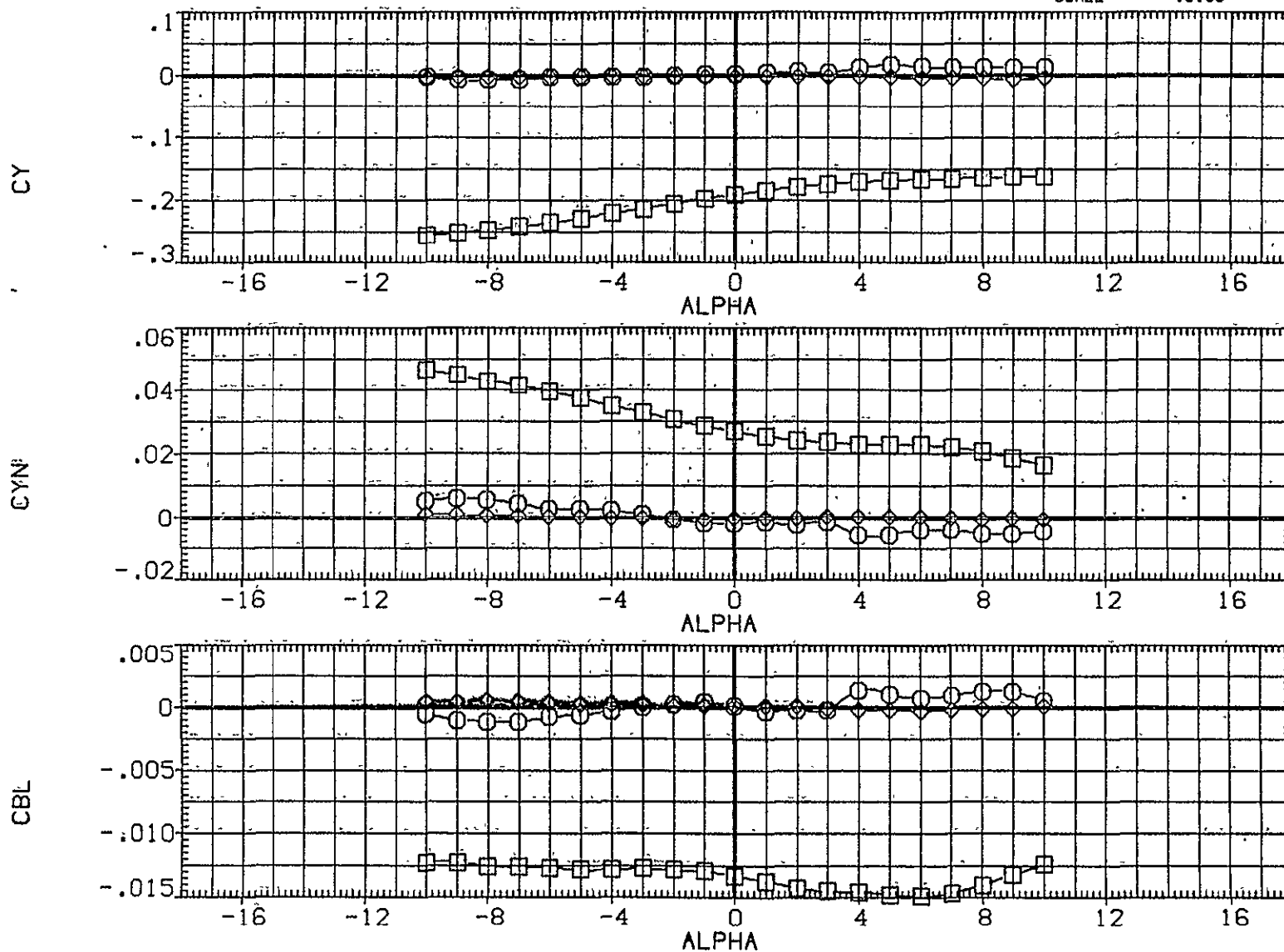


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=750)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(RT0052)	○ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	2.200	750.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATL019)	□ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.200	750.000	1.760	.000	LREF	1290.3000 IN.
(ATL001)	◇ AEDC VA-422(1A-57); ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

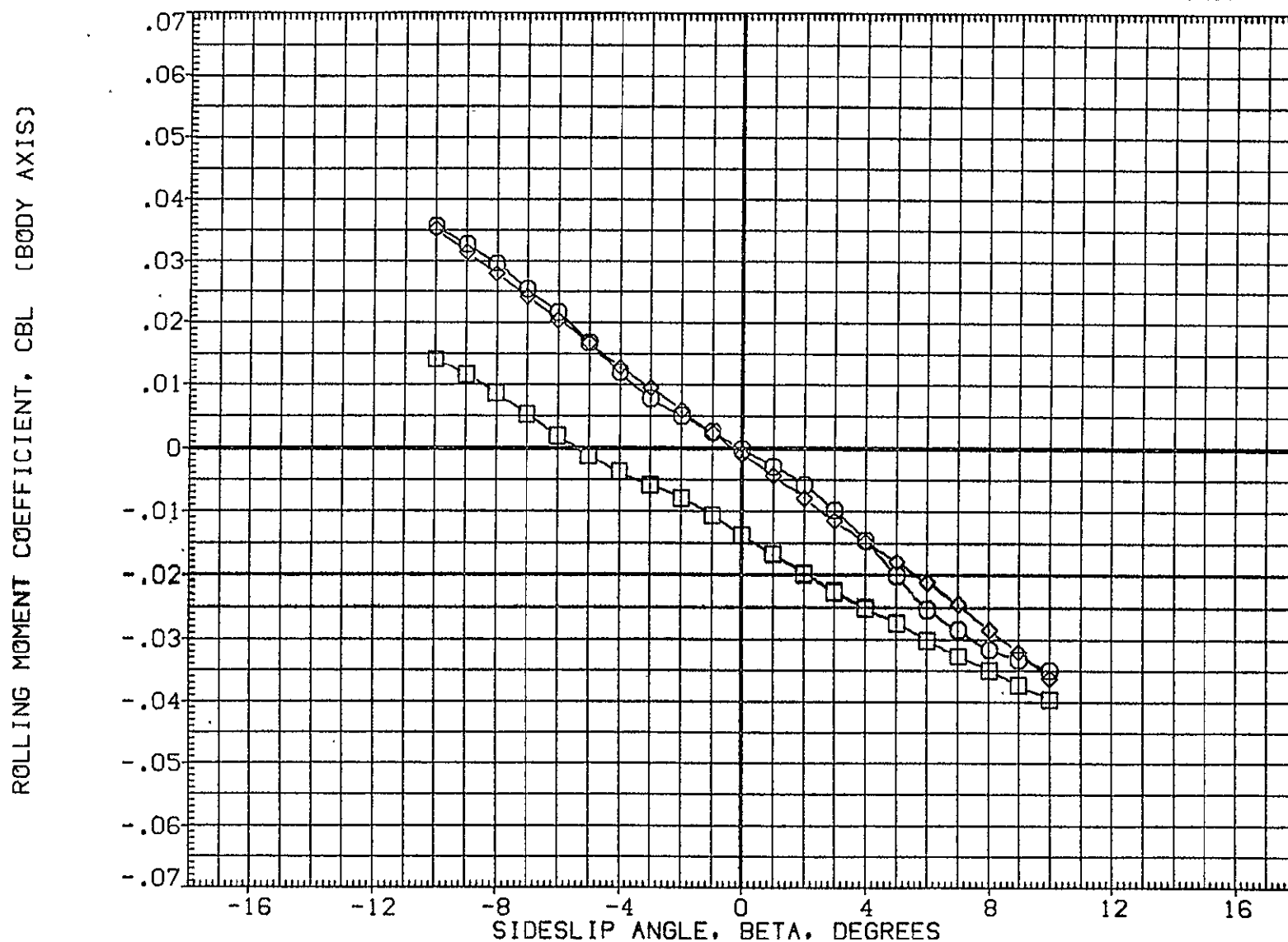


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.(PJ=750)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(RTQ053)	○ AEDC VA422 IAS1 01ET1S1 O/ET DATA (SRB SEPRNG)	2.200	750.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATL020)	□ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.200	750.000	1.760	.000	LREF 1290.3000 IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100



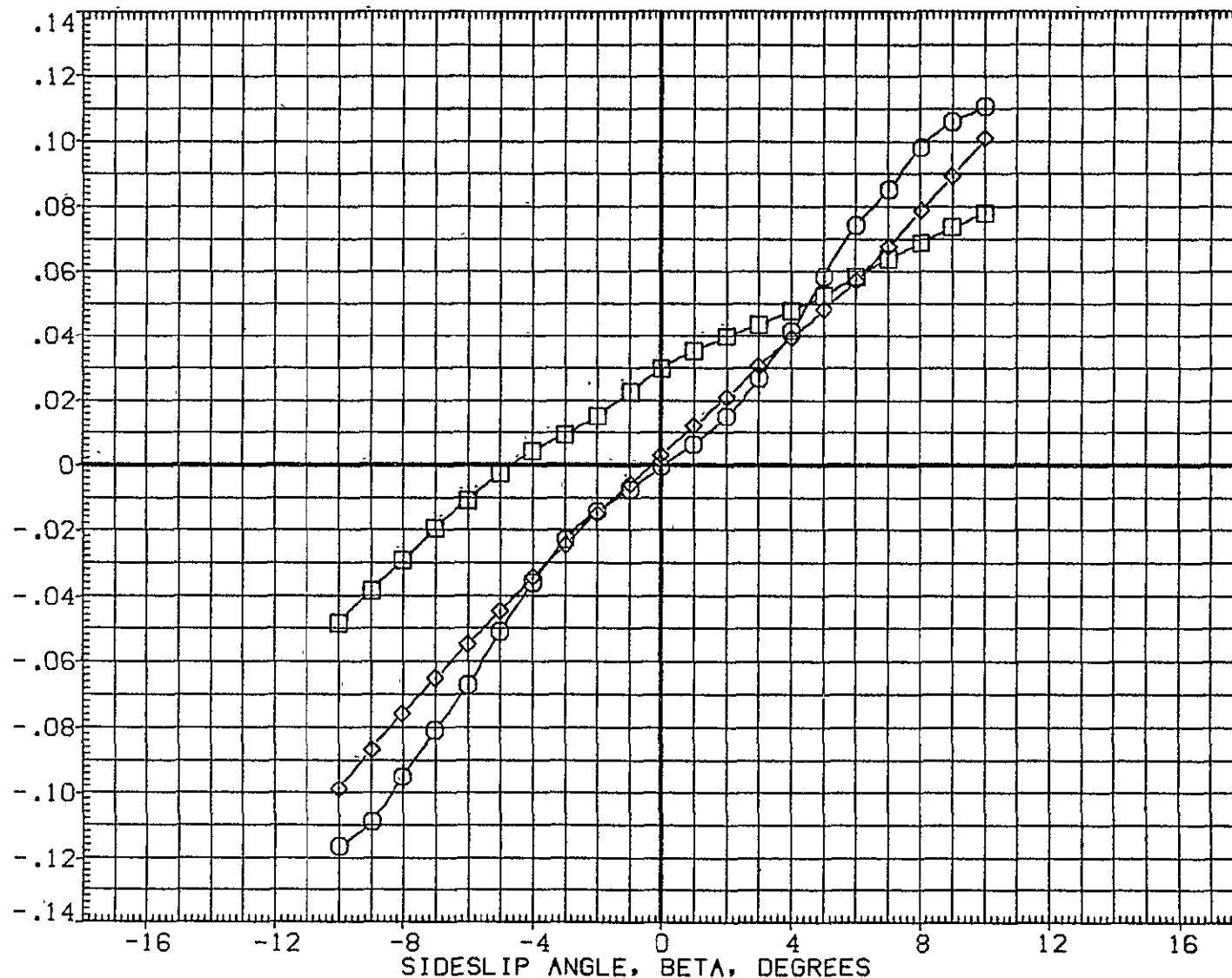
COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.(PJ=750)

(A)MACH = 4.50

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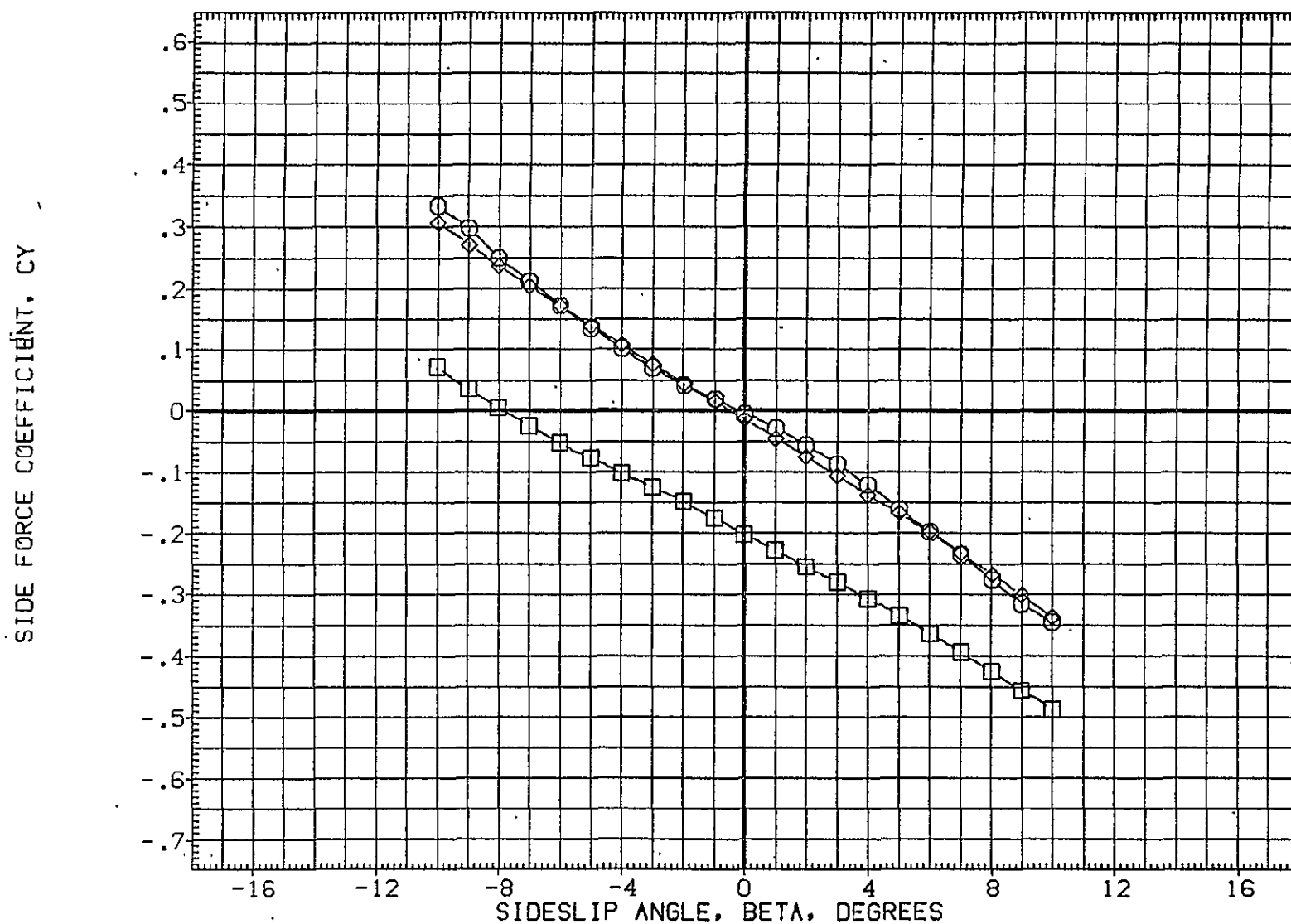
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0053)	AEDC VA422 1A61 O/ET DATA (SRB SEPRNG)	2.200	750.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL020)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.200	750.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.(PJ=750)
 (A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(RT0053)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	750.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATL020)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.200	750.000	1.760	.000	LREF 1290.3000 IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100

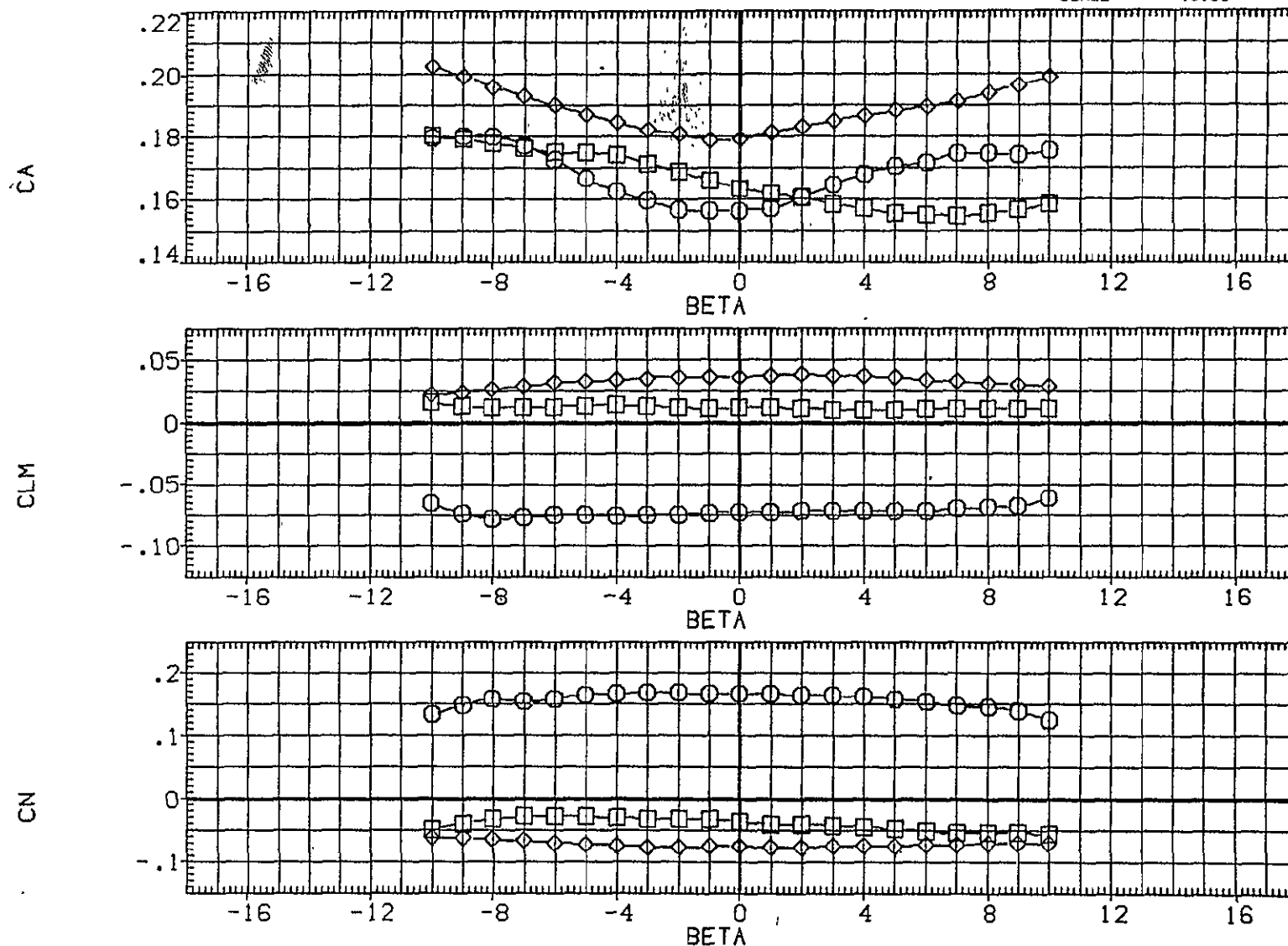


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=750)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPDS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(RT0053)	AEDC VA422 IAGI 01ET1S1 O/ET DATA (SRB SEPRING)	2.200	750.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATL020)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.200	750.000	1.760	.000	LREF 1290.3000 IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100

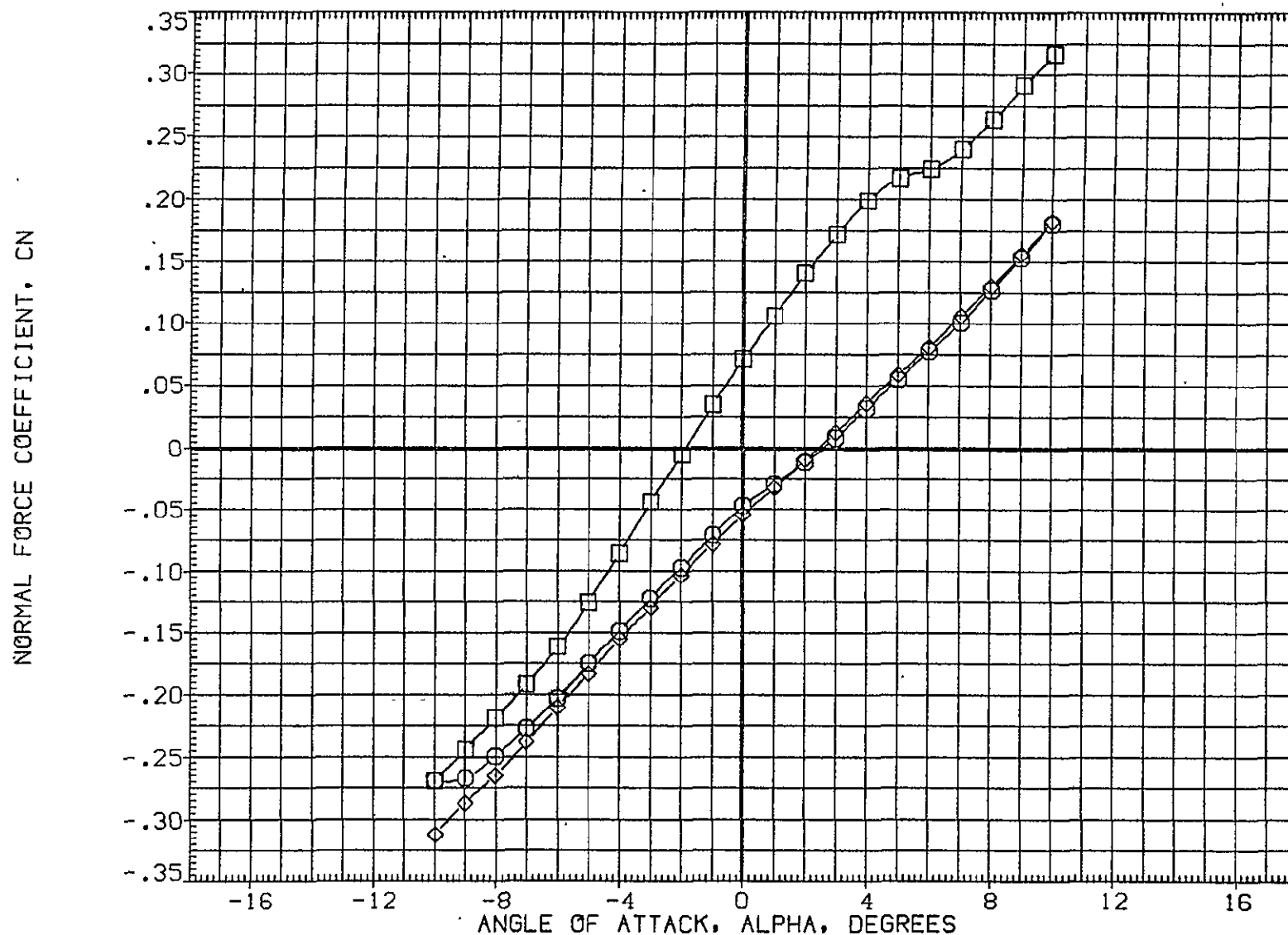


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.(PJ=750)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBP05	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0069)	AEDC VA422 (A61 01ET1S) O/ET DATA (SRB SEPRNG)	3.300	750.000	1.760	.000	SREF	2690.0000	50.FT.
(ATL027)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.300	750.000	1.760	.000	LREF	1290.3000	IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

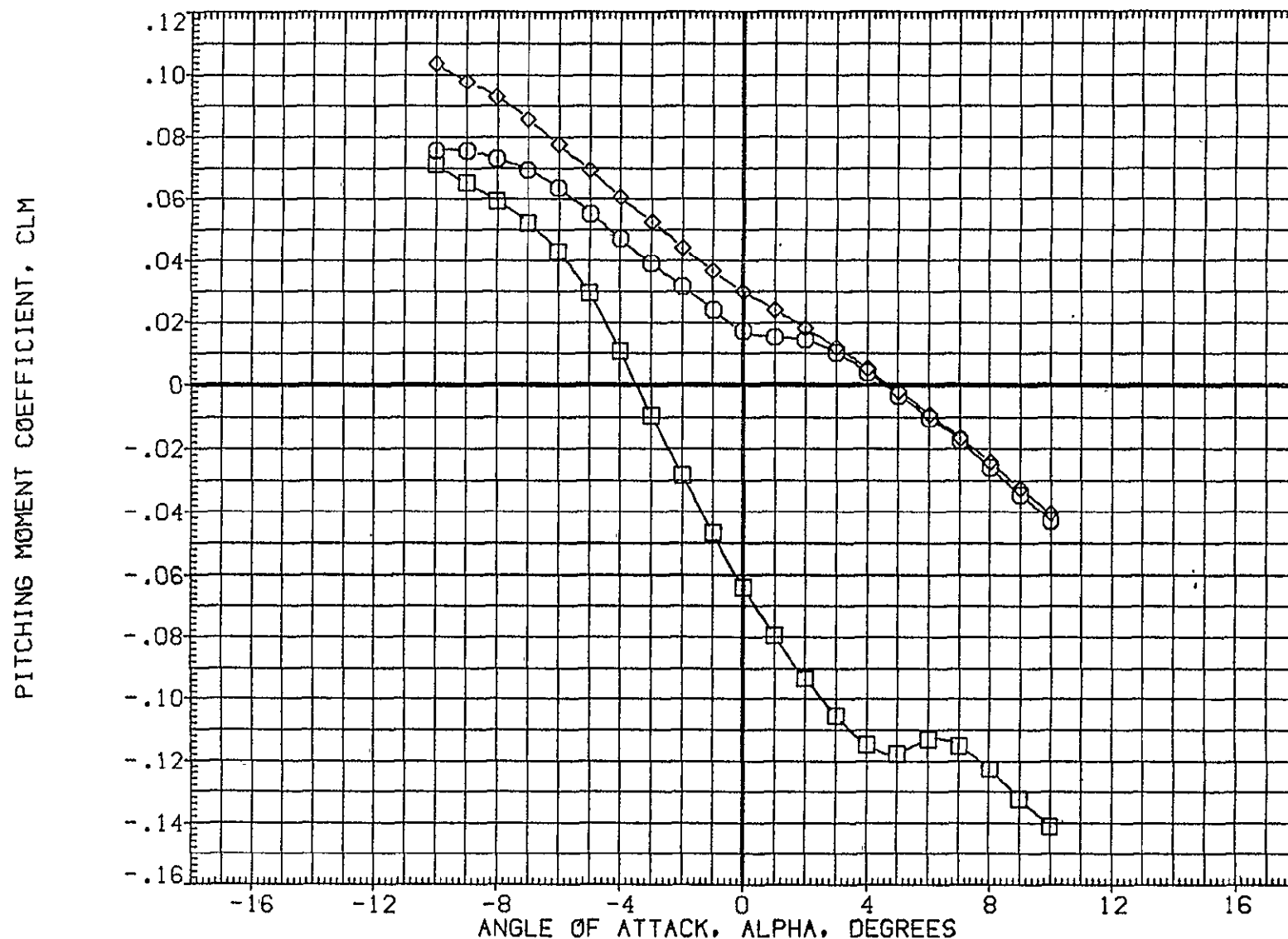


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.(PJ=750)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(RT0069)	○ AEDC VA422 IAGI 01ET1S1 O/ET DATA (SRB SEPRING)	3.300	750.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATL027)	◇ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.300	750.000	1.760	.000	LREF 1290.3000 IN.
(ATL001)	□ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRRP 1052.0000 IN.XT
						YMRRP .0000 IN.YT
						ZMRRP 447.0000 IN.ZT
						SCALE .0100

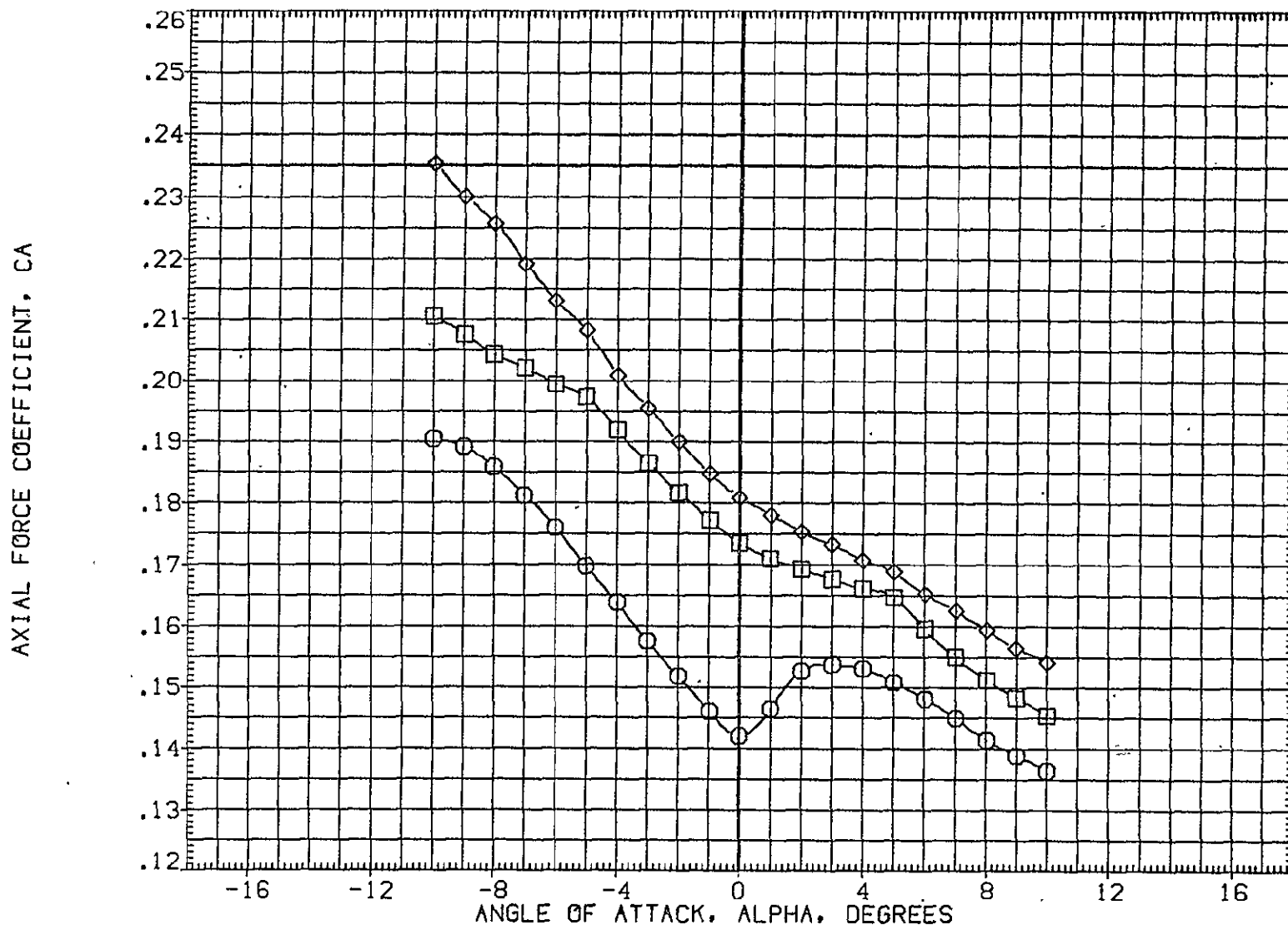


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.(PJ=750)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(RTG069)	AEDC VA422 IA61 01ET1S1 0/ET DATA (SRB SEPRTING)	3.300	750.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATL027)	AEDC VA-422(IA-57), ORB/ET W/RIGHT SRB	.300	750.000	1.760	.000	LREF 1290.3000 IN.
(ATL001)	AEDC VA-422(IA-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100

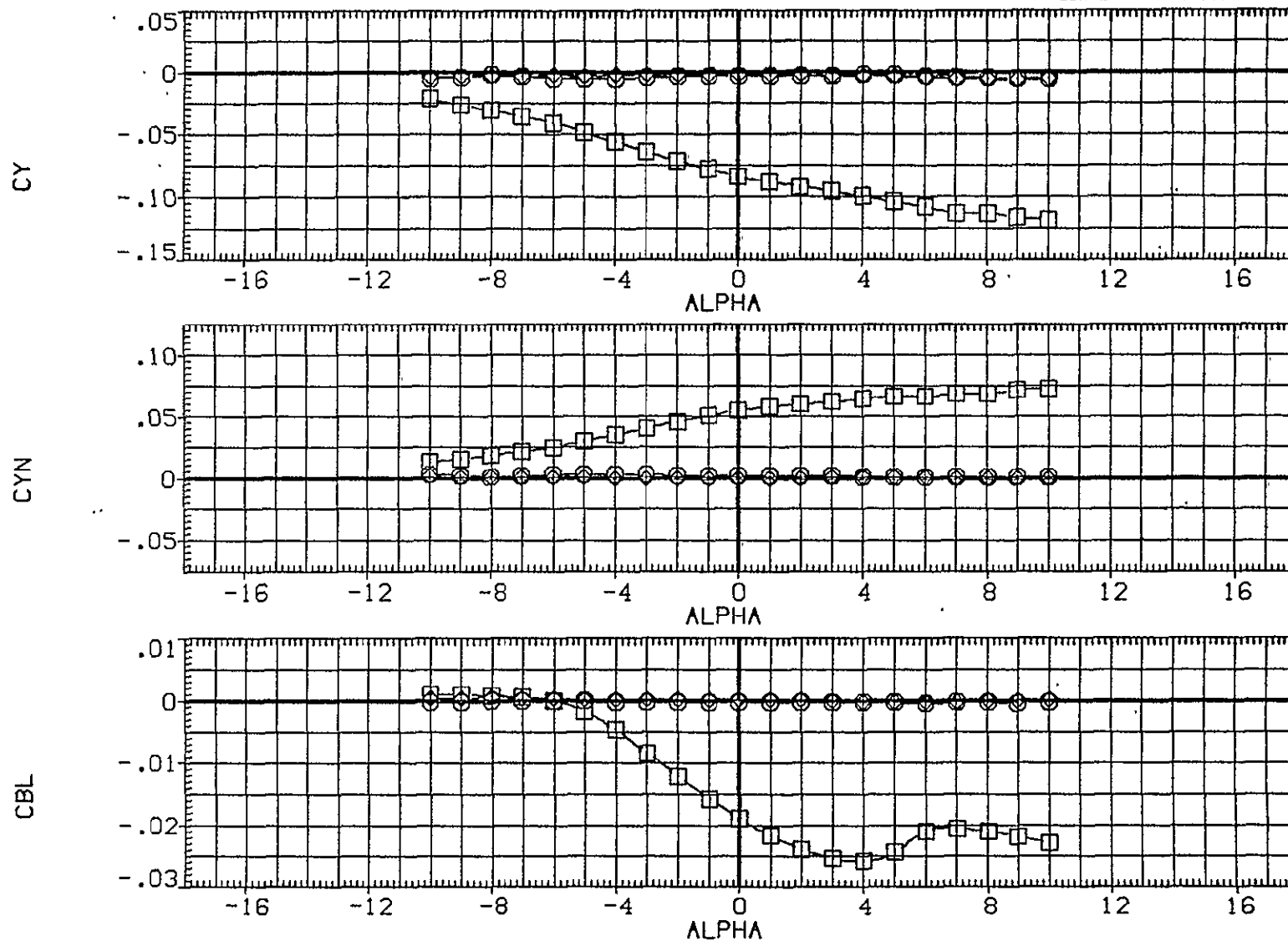


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=750)

(A)MACH = 4.50

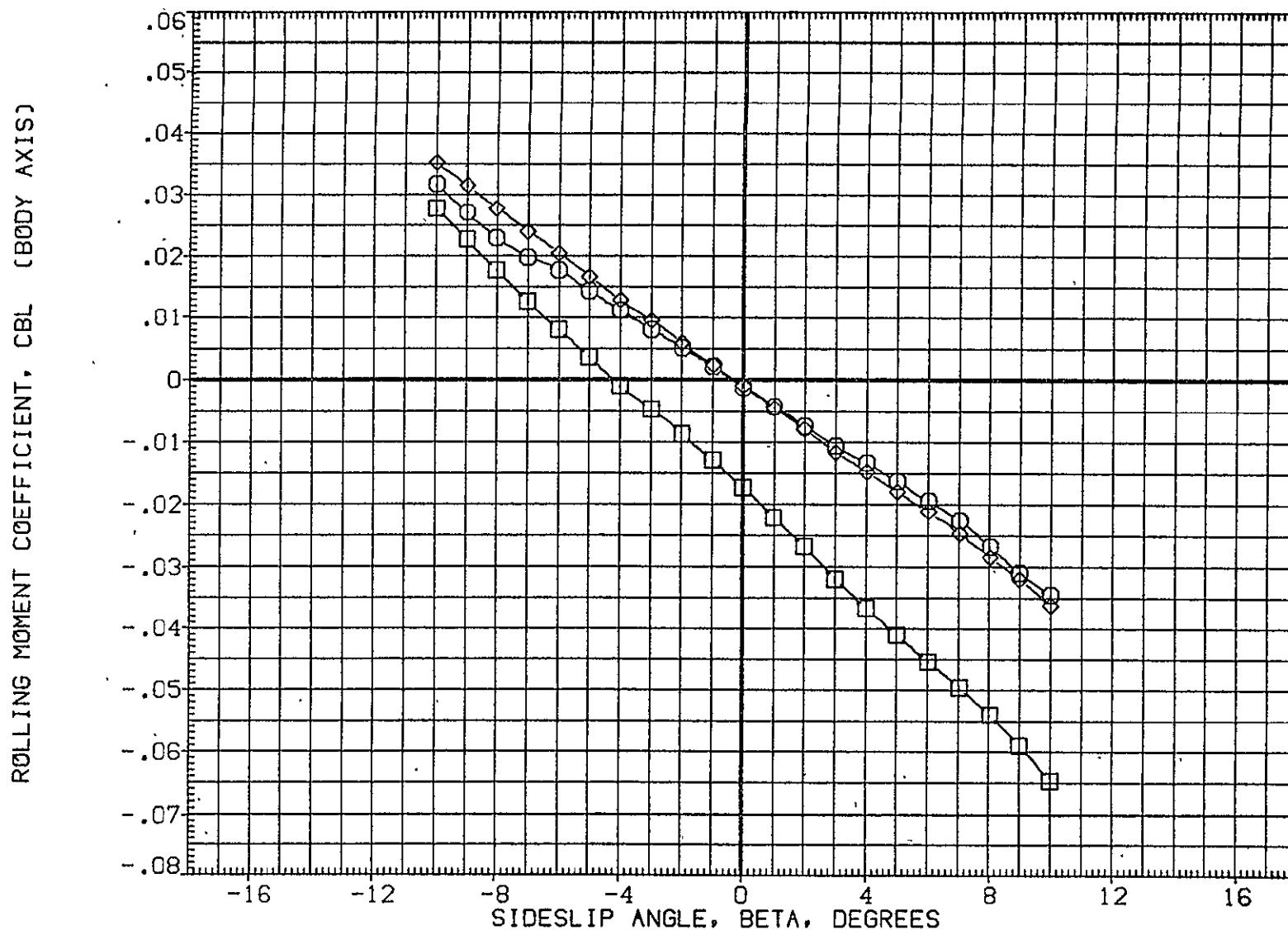
PAGE 187

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(RTQ069)	AEDC VA422 IA61 01ET1S1 0/ET DATA (SRB SEPRTING)	3.300	750.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATL027)	AEDC VA-422(1A-57), 0RB/ET W/RIGHT SRB	.300	750.000	1.760	.000	LREF 1290.3000 IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED 0RB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100



COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=750)
 (A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RTQ070)	○ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	3.300	750.000	1.760	.000	SREF	2690.0000	50.FT.
(ATL028)	□ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.300	750.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



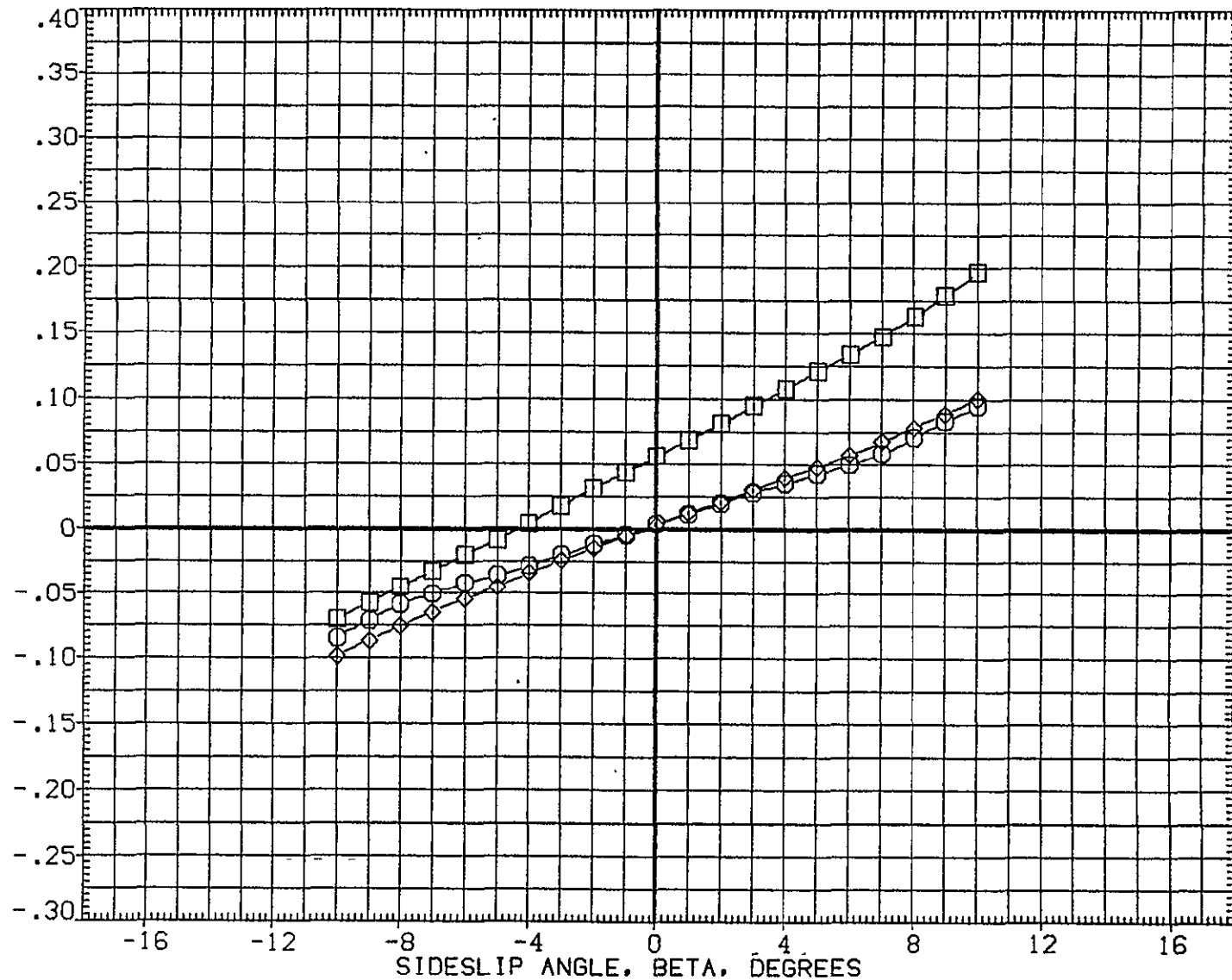
COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=750)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(RTQ070)	○ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	3.300	750.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATL028)	□ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.300	750.000	1.760	.000	LREF 1290.3000 IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

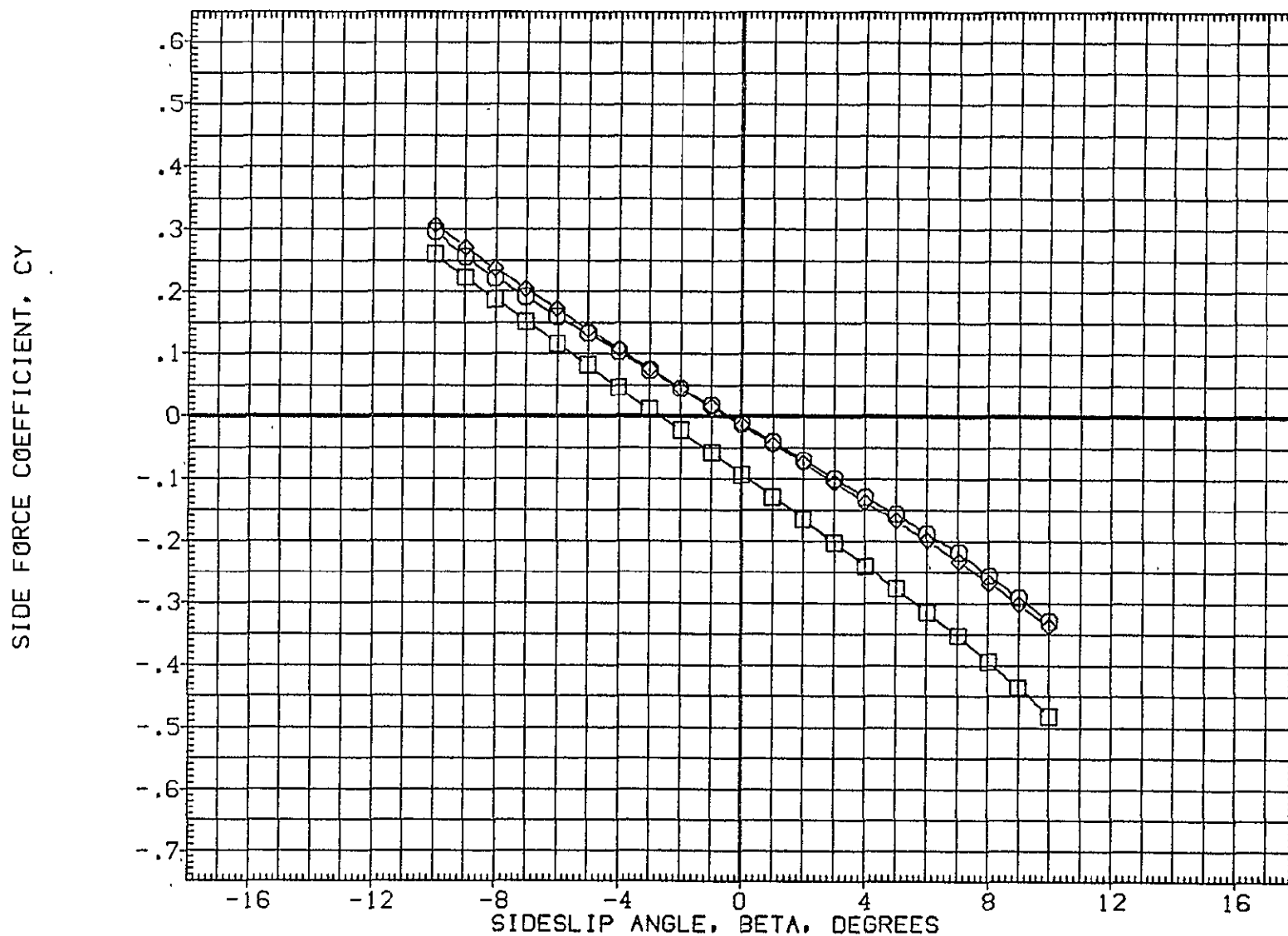


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.(PJ=750)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(RT0070)	AEDC VA422 IAS1 01ET1S1 0/ET DATA (SRB SEPRTING)	3.300	750.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATLO28)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.300	750.000	1.760	.000	LREF 1290.3000 IN.
(ATLO02)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE :0100

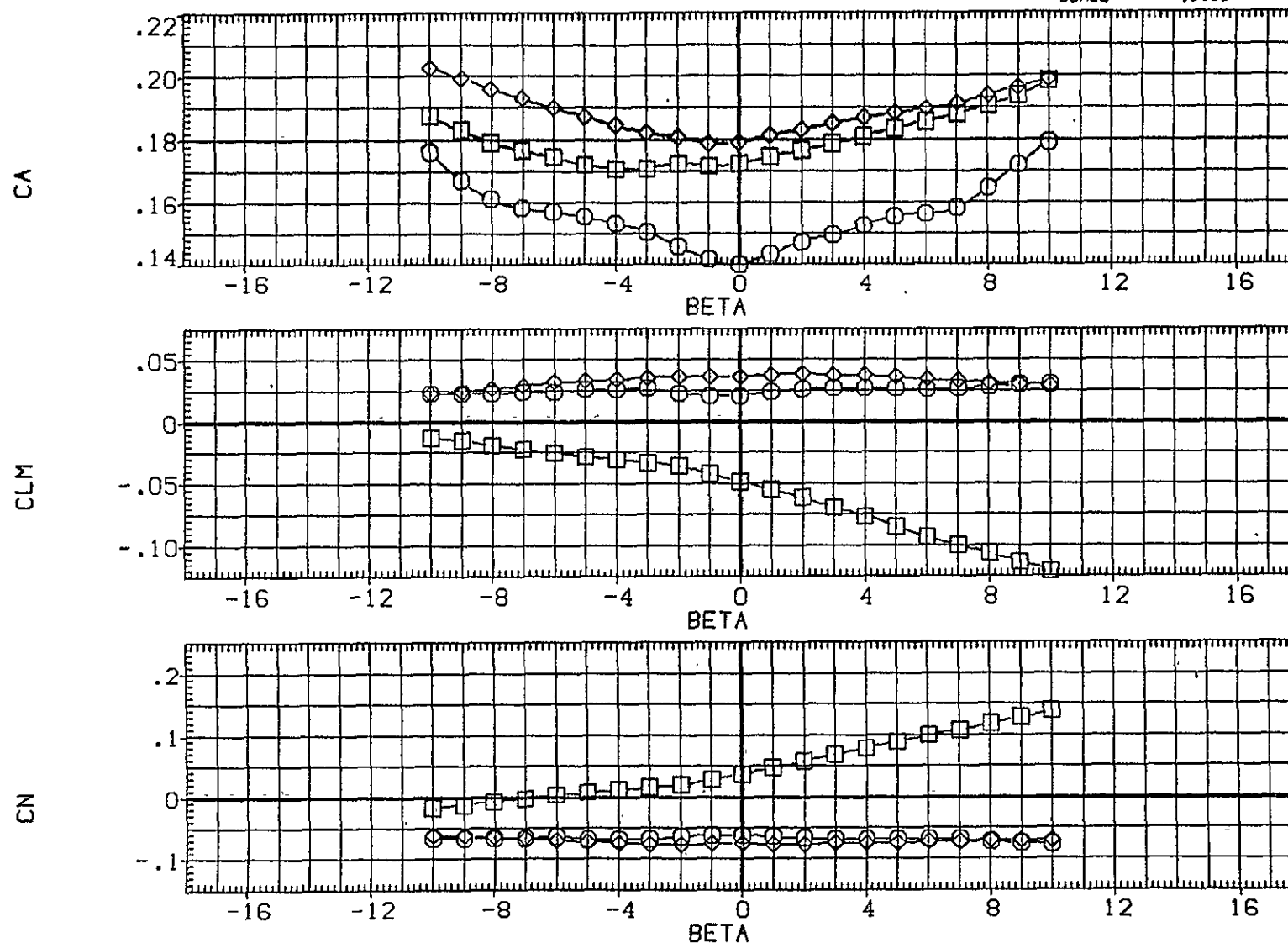


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.(PJ=750)

(A)MACH = 4.50

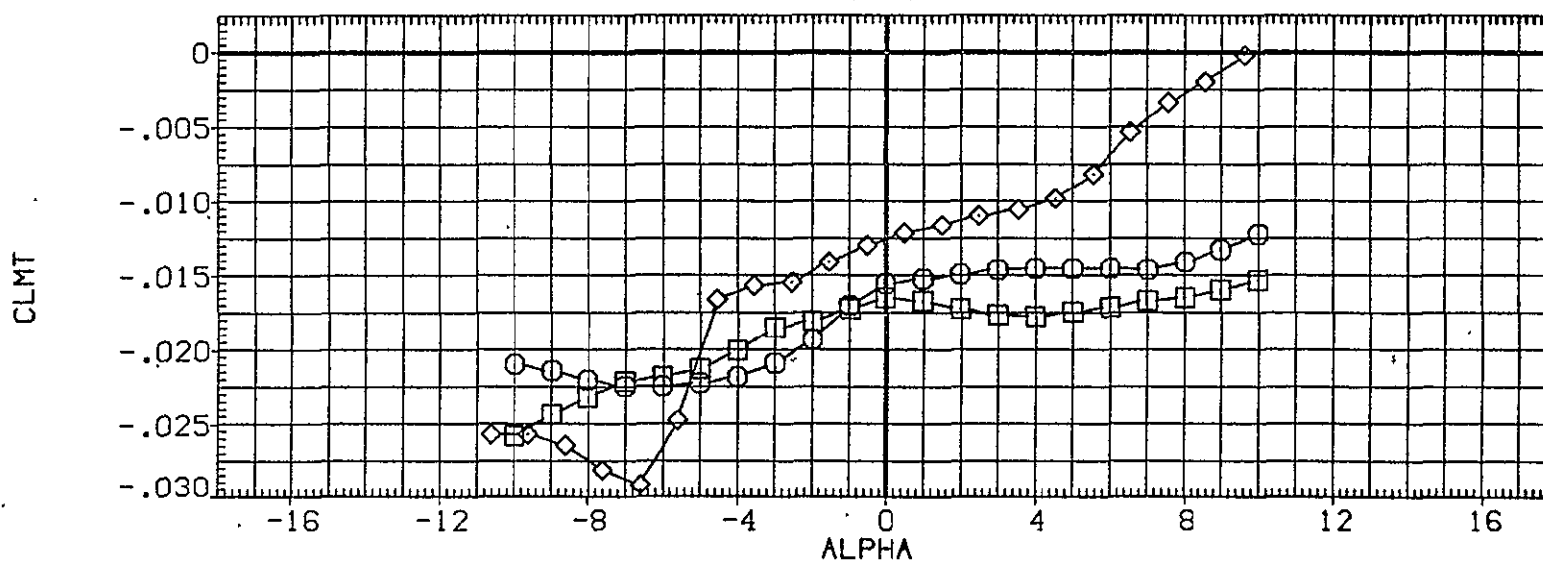
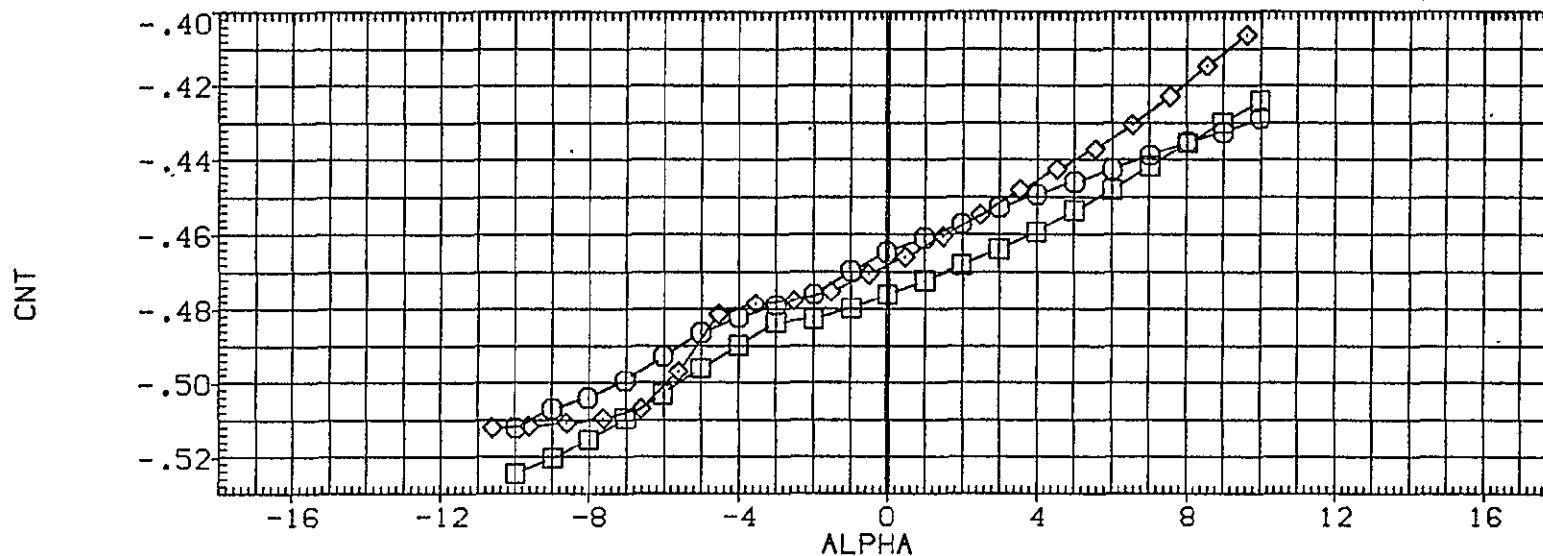
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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0070)	○ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	3.300	750.000	1.760	.000	SREF	2690.0000	50.FT.
(ATL028)	□ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.300	750.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.(PJ=750)
 (A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(ST0042)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	1.100	1500.000	1.760	.000	SREF	2690.0000	50.FT.
(ST0015)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	.100	1500.000	1.760	.000	LREF	1290.3000	IN.
(AT0001)	AEDC VA422 1A61 S RIGHT SRB	.100	1500.000	1.760	.000	BREF	1290.3000	IN.
						XMRP	1167.0000	IN.XS
						YMRP	.0000	IN.YS
						ZMRP	400.0000	IN.ZS
						SCALE	.0100	

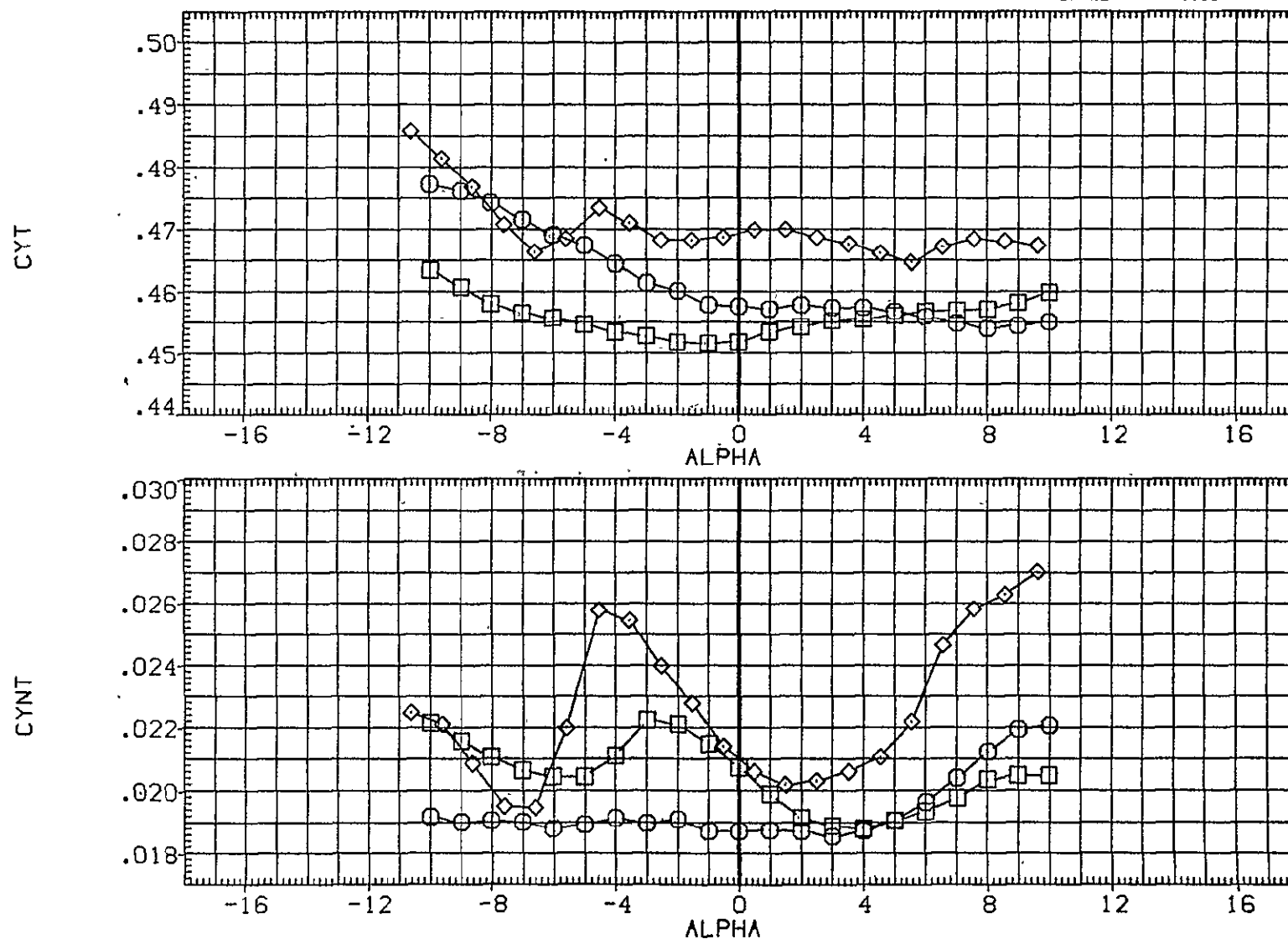


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT. (PJ=1500)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(ST0042)	□ AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)	1.100	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ST0015)	○ AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)	.100	1500.000	1.760	.000	LREF	1290.3000	IN.
(AT0001)	◇ AEDC VA422 1A61 S RIGHT SRB	.100	1500.000	1.760	.000	BREF	1290.3000	IN.
						XMRP	1167.0000	IN.XS
						YMRP	.0000	IN.YS
						ZMRP	400.0000	IN.ZS
						SCALE	.0100	

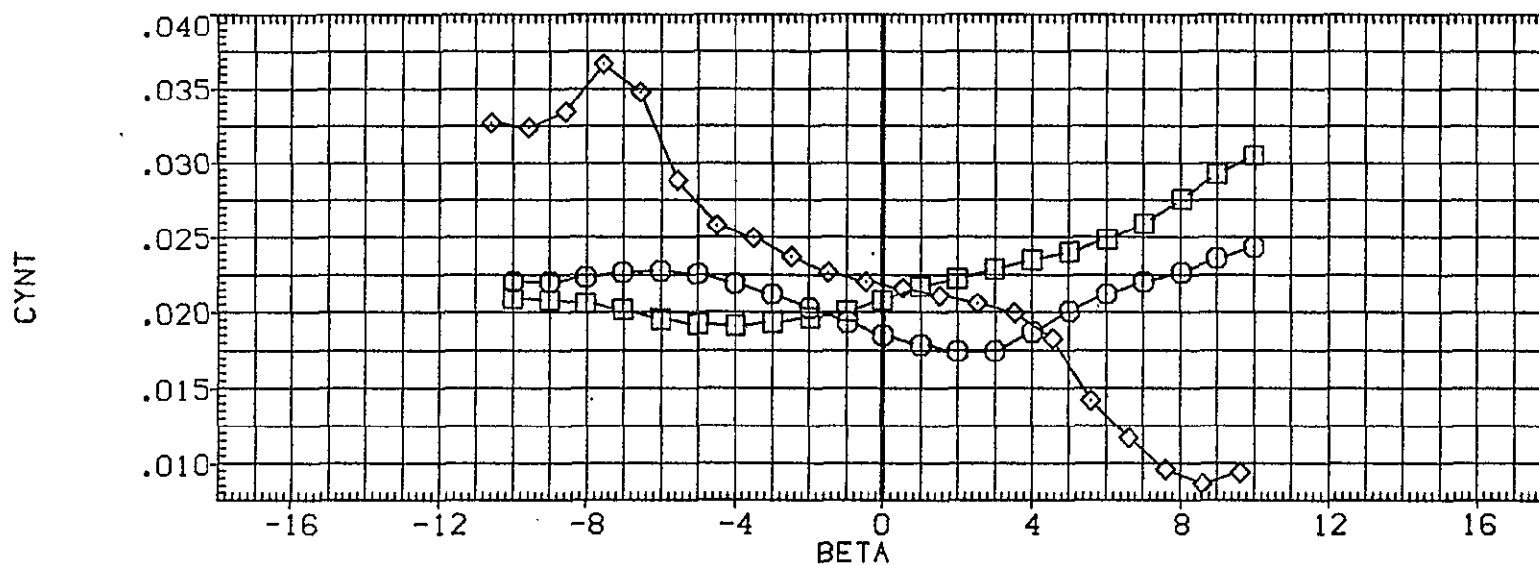
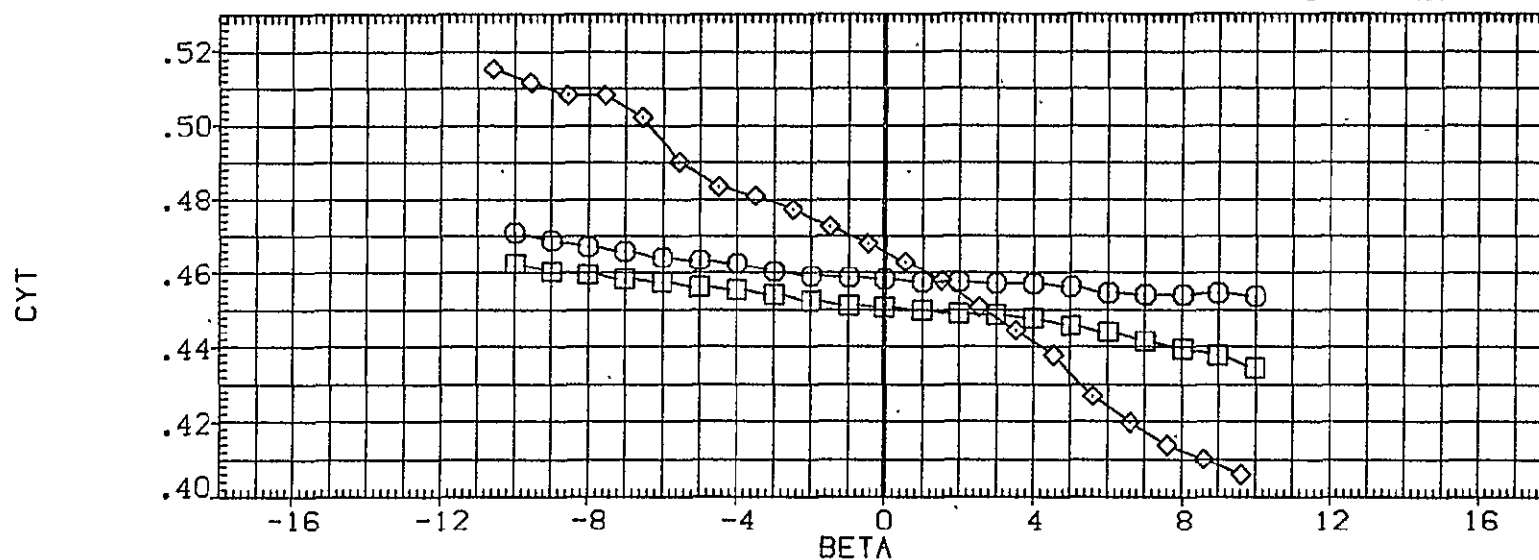


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT. (PJ=1500)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(ST0045)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTING)	1.100	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ST0016)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTING)	.100	1500.000	1.760	.000	LREF	1290.3000 IN.
(AT0002)	AEDC VA422 1A61 S RIGHT SRB	.100	1500.000	1.760	.000	BREF	1290.3000 IN.
						XMRP	1167.0000 IN.XS
						YMRP	.0000 IN.YS
						ZMRP	400.0000 IN.ZS
						SCALE	.0100

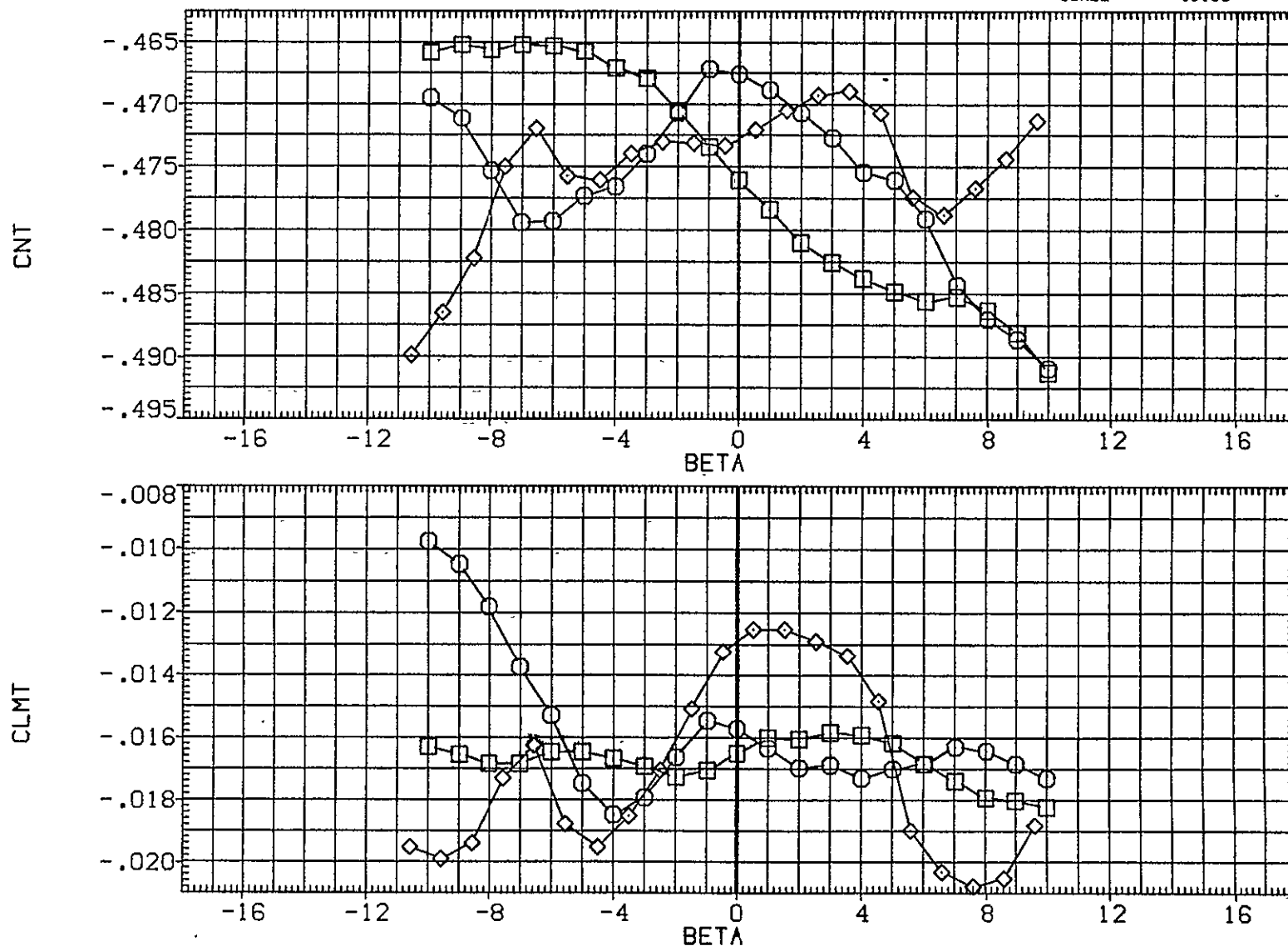


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT. (PJ=1500)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBP05	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(STG045)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	1.100	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(STG016)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	.100	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATG002)	AEDC VA422 1A61 S RIGHT SRB	.100	1500.000	1.760	.000	BREF	1290.3000	IN.
						XMRP	1167.0000	IN.XS
						YMRP	.0000	IN.YS
						ZMRP	400.0000	IN.ZS
						SCALE	.0100	

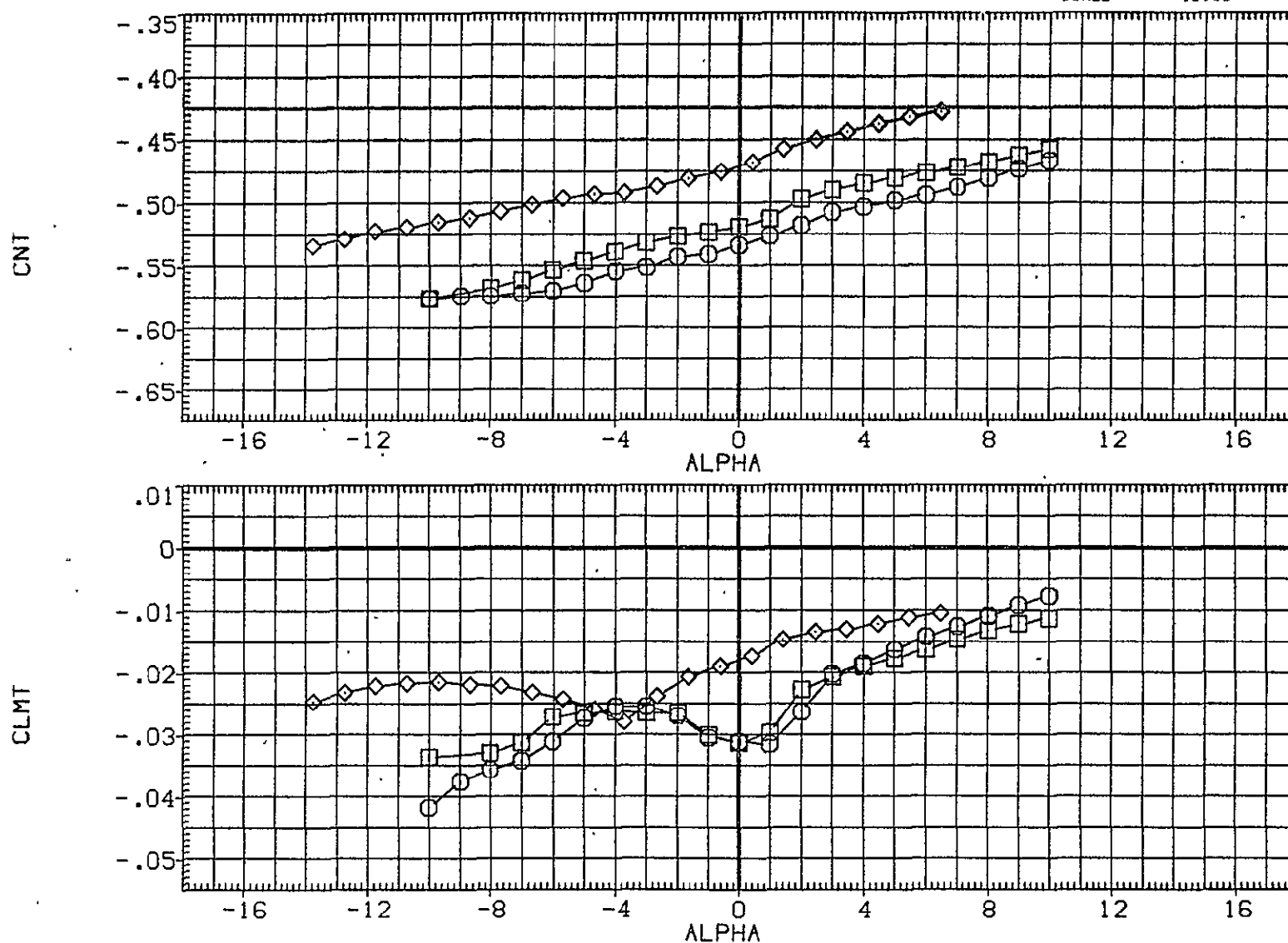


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT. (PJ=1500)

(A)MACH = 4.50

PAGE 196

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBP05	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(ST0054)	AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)	2.200	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(TT0017)	AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)	.200	1500.000	1.760	.000	LREF	1290.3000	IN.
(AT0003)	AEDC VA422 1A61 S RIGHT SRB	.200	1500.000	1.760	.000	BREF	1290.3000	IN.
						XMRP	1167.0000	IN.XS
						YMRP	.0000	IN.YS
						ZMRP	400.0000	IN.ZS
						SCALE	.0100	

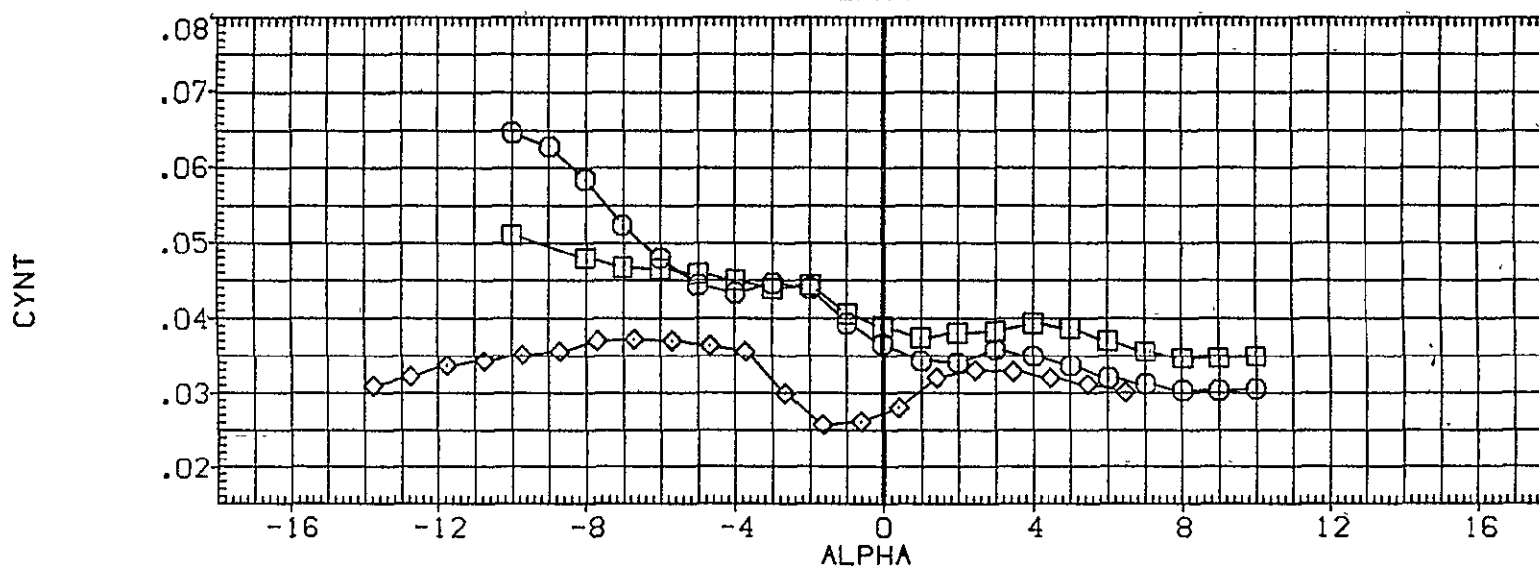
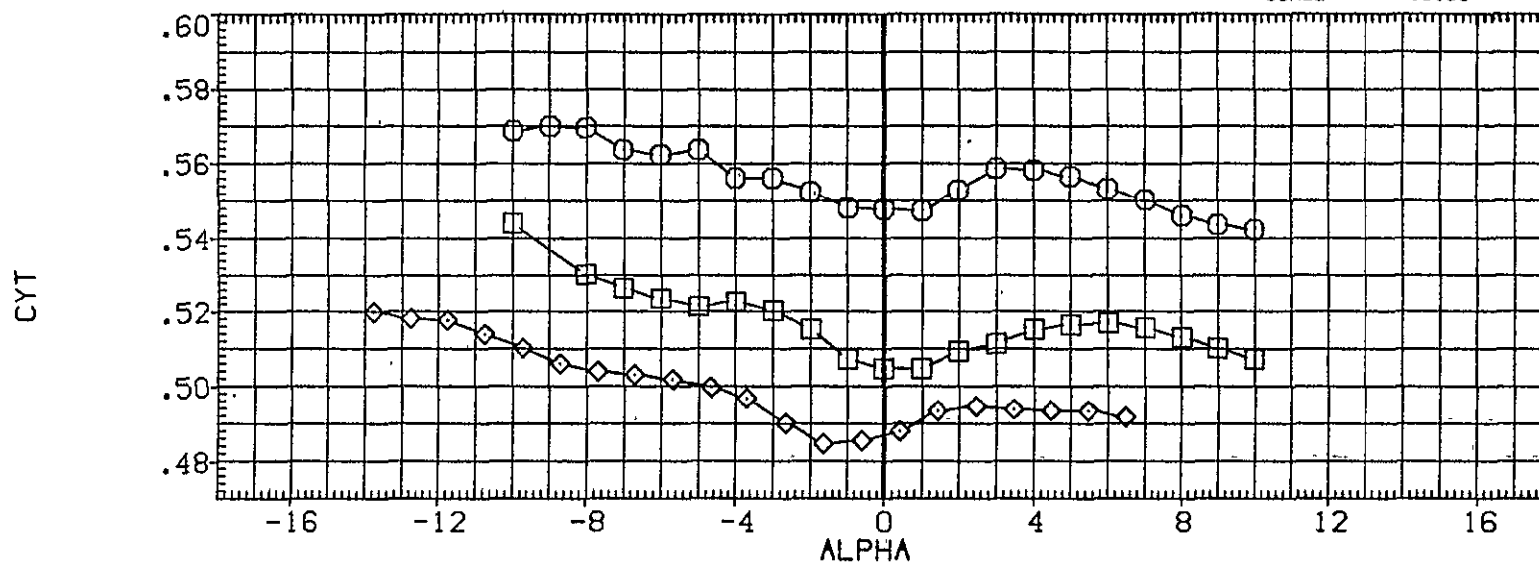


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT. (PJ=1500)

(A)MACH = 4.50

PAGE 197

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(STQ054)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTING)	2.200	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(TTQ017)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTING)	.200	1500.000	1.760	.000	LREF 1290.3000 IN.
(ATQ003)	AEDC VA422 1A61 S RIGHT SRB	.200	1500.000	1.760	.000	BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100

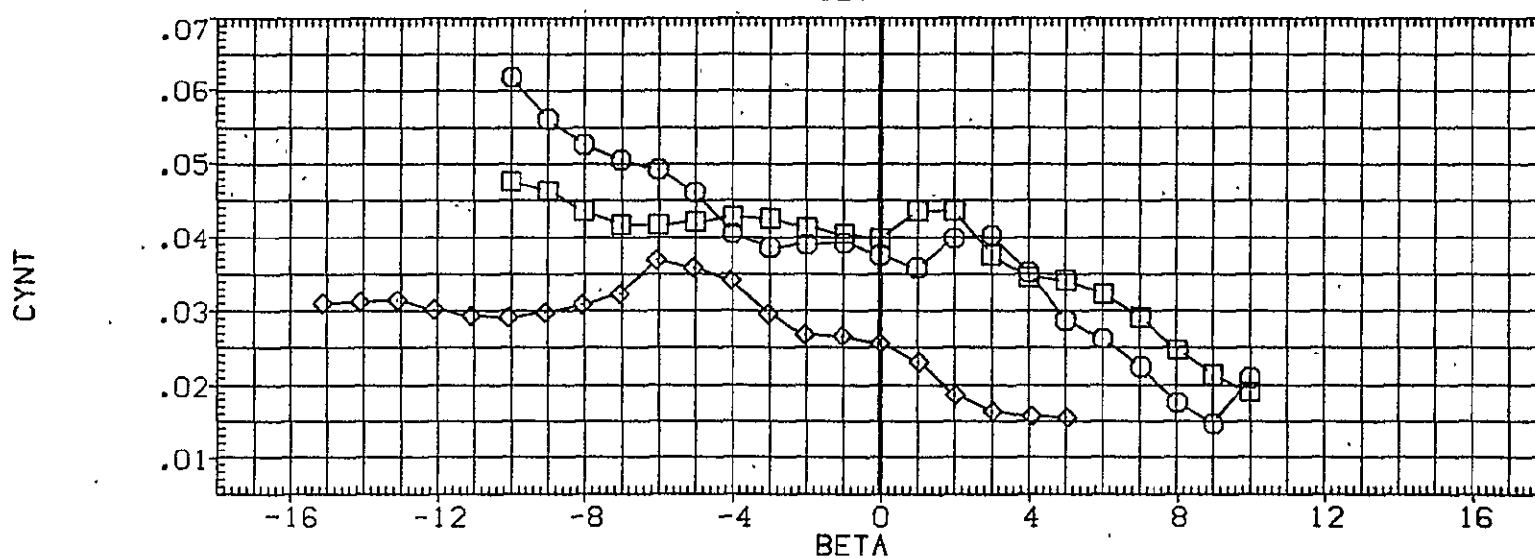
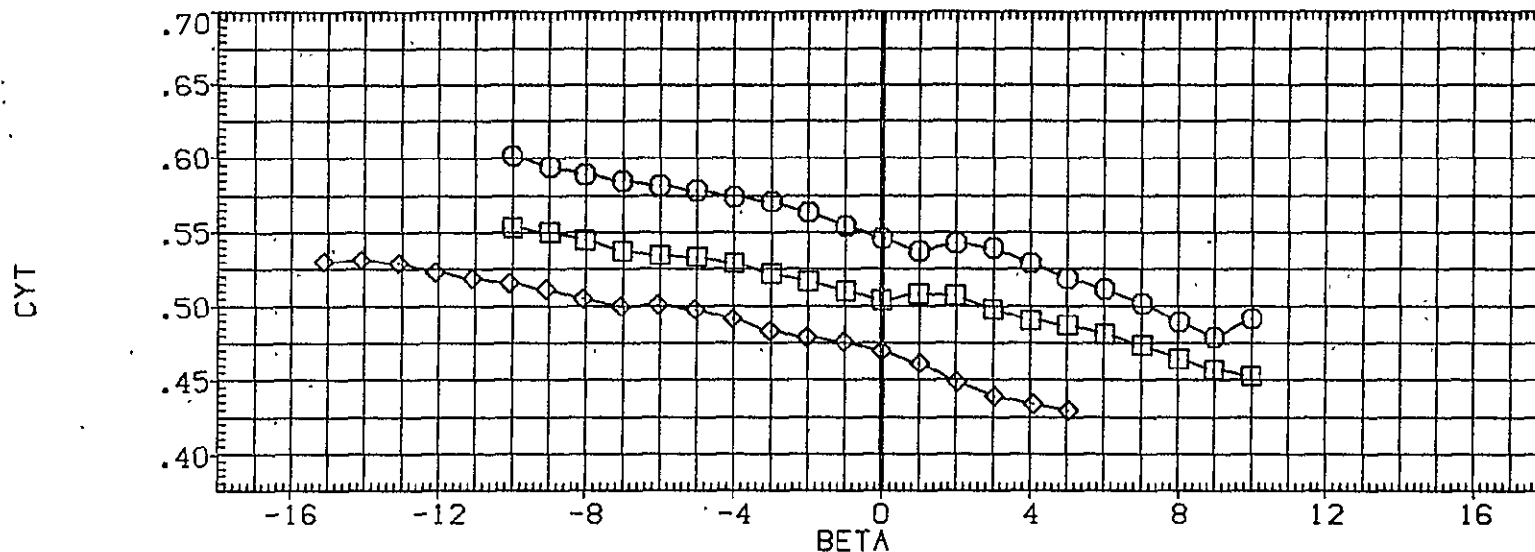


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT. (PJ=1500)

(A)MACH = 4.50

PAGE 198

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(ST0056)	○ AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)	2.200	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ST0018)	□ AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)	.200	1500.000	1.760	.000	LREF	1290.3000	IN.
(ATG004)	◇ AEDC VA422 1A61 S RIGHT SRB	.200	1500.000	1.760	.000	BREF	1290.3000	IN.
						XMRP	1167.0000	IN.XS
						YMRP	.0000	IN.YS
						ZMRP	400.0000	IN.ZS
						SCALE	.0100	

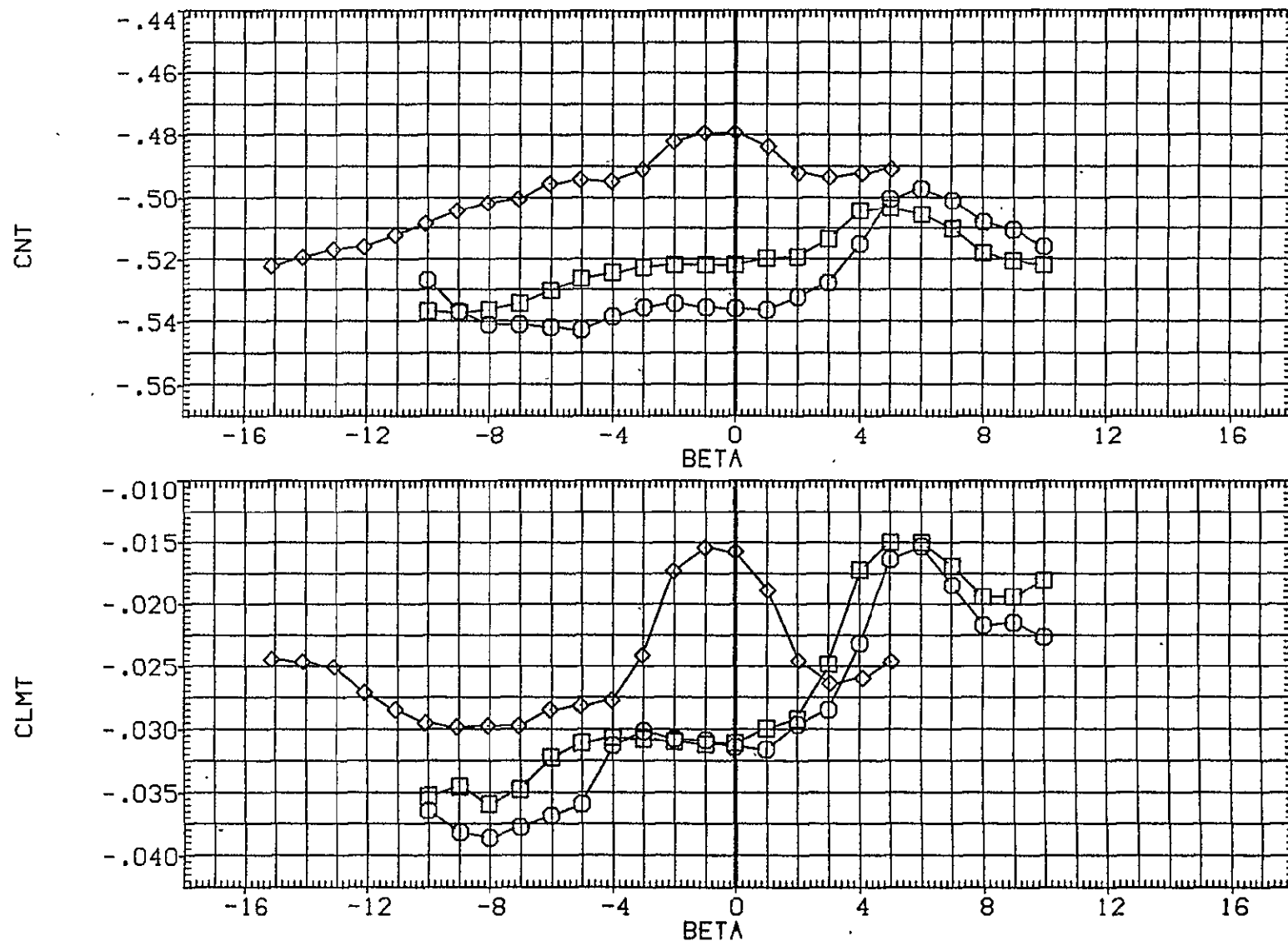


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT. (PJ=1500)

(A)MACH = 4.50

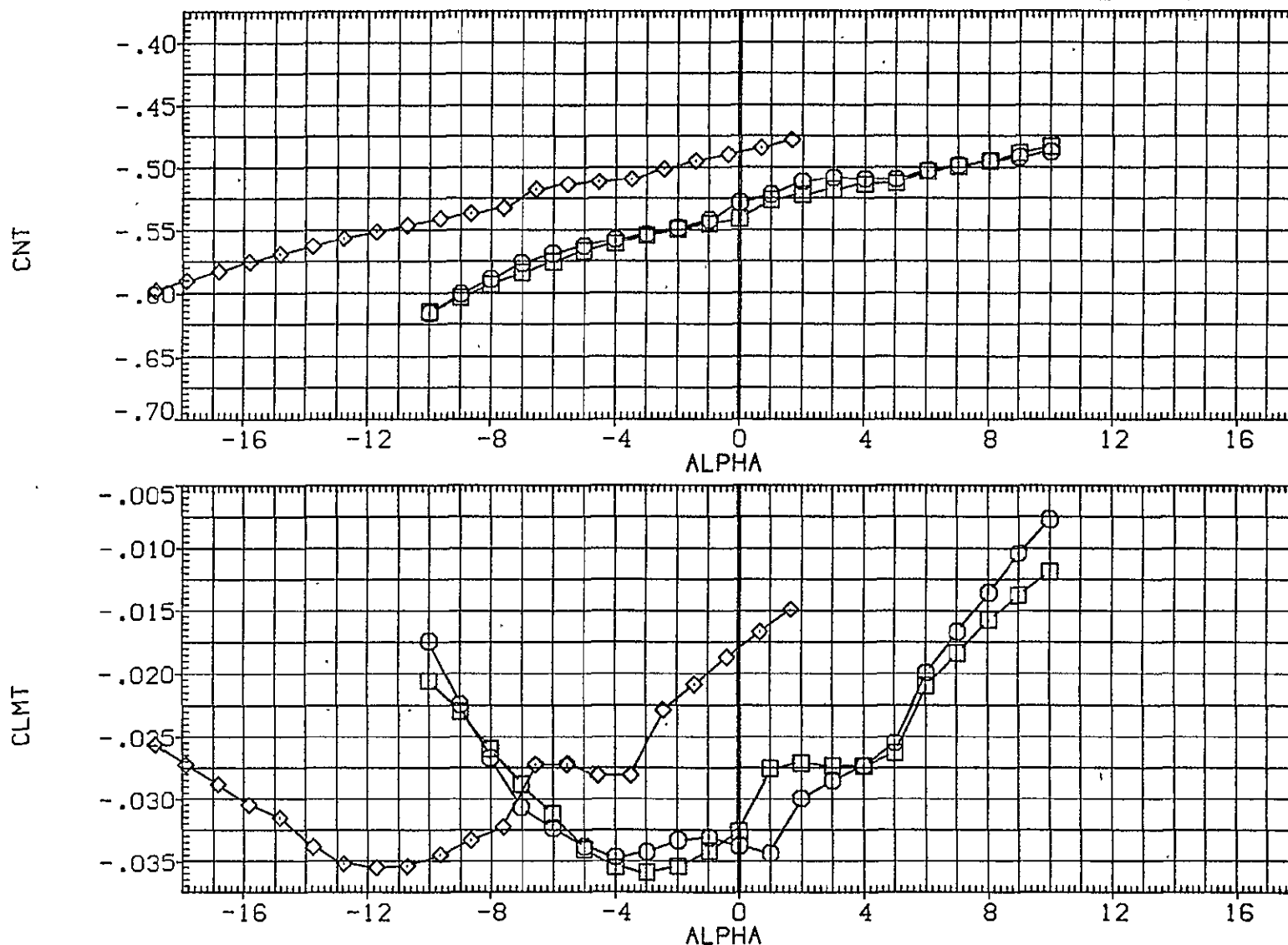
PAGE 199

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(STQ056)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	2.200	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(STQ018)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	.200	1500.000	1.760	.000	LREF 1290.3000 IN.
(AT0004)	AEDC VA422 1A61 S RIGHT SRB	.200	1500.000	1.760	.000	BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100

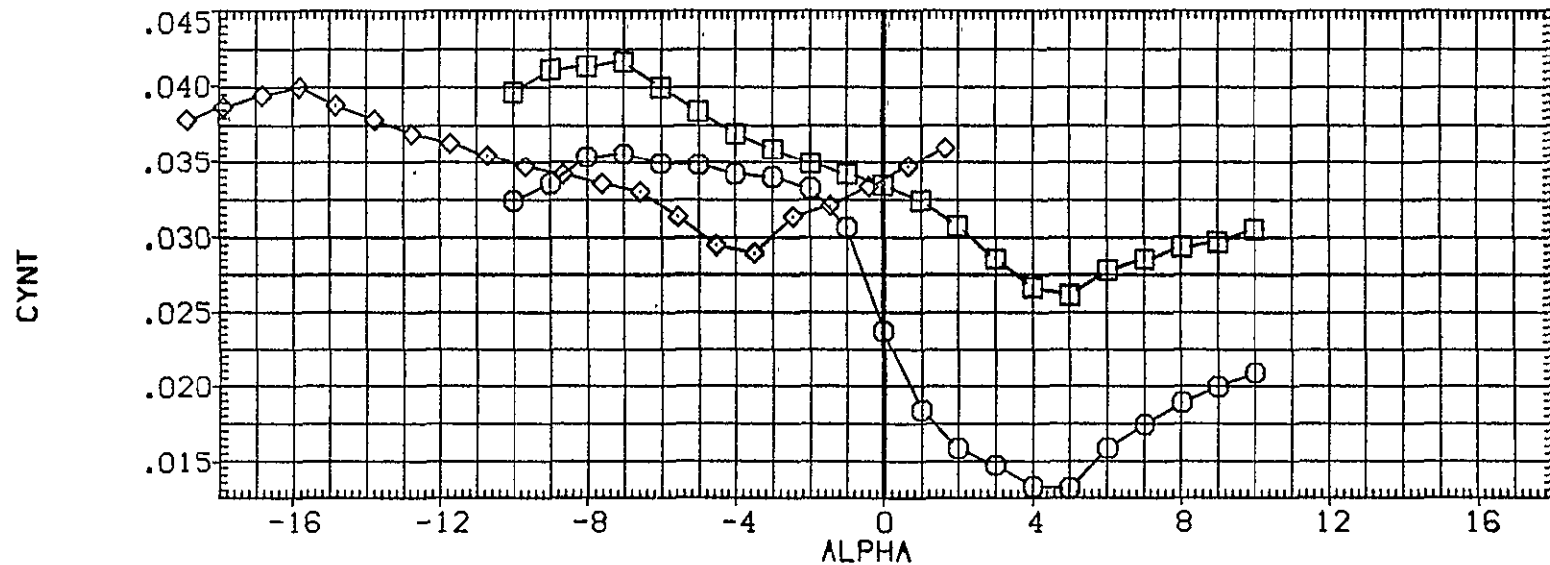
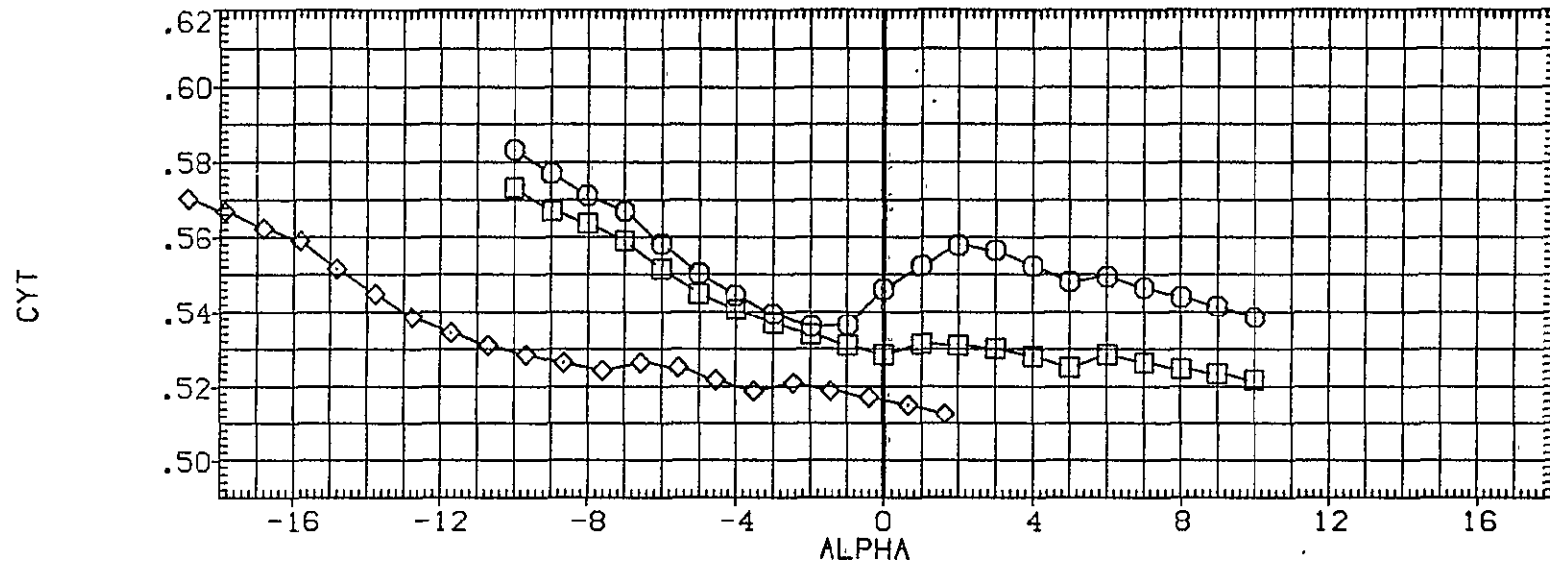


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT. (PJ=1500)
 (A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(ST0071)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTING)	3.300	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ST0020)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTING)	.300	1500.000	1.760	.000	LREF 1290.3000 IN.
(AT0005)	AEDC VA422 1A61 S RIGHT SRB	.300	1500.000	1.760	.000	BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(STQ071)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTING)	3.300	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(STQ020)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTING)	.300	1500.000	1.760	.000	LREF	1290.3000 IN.
(ATQ005)	AEDC VA422 1A61 S RIGHT SRB	.300	1500.000	1.760	.000	BREF	1290.3000 IN.
						XMRP	1167.0000 IN.XS
						YMRP	.0000 IN.YS
						ZMRP	400.0000 IN.ZS
						SCALE	.0100



COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT. (PJ=1500)

(A)MACH = 4.50

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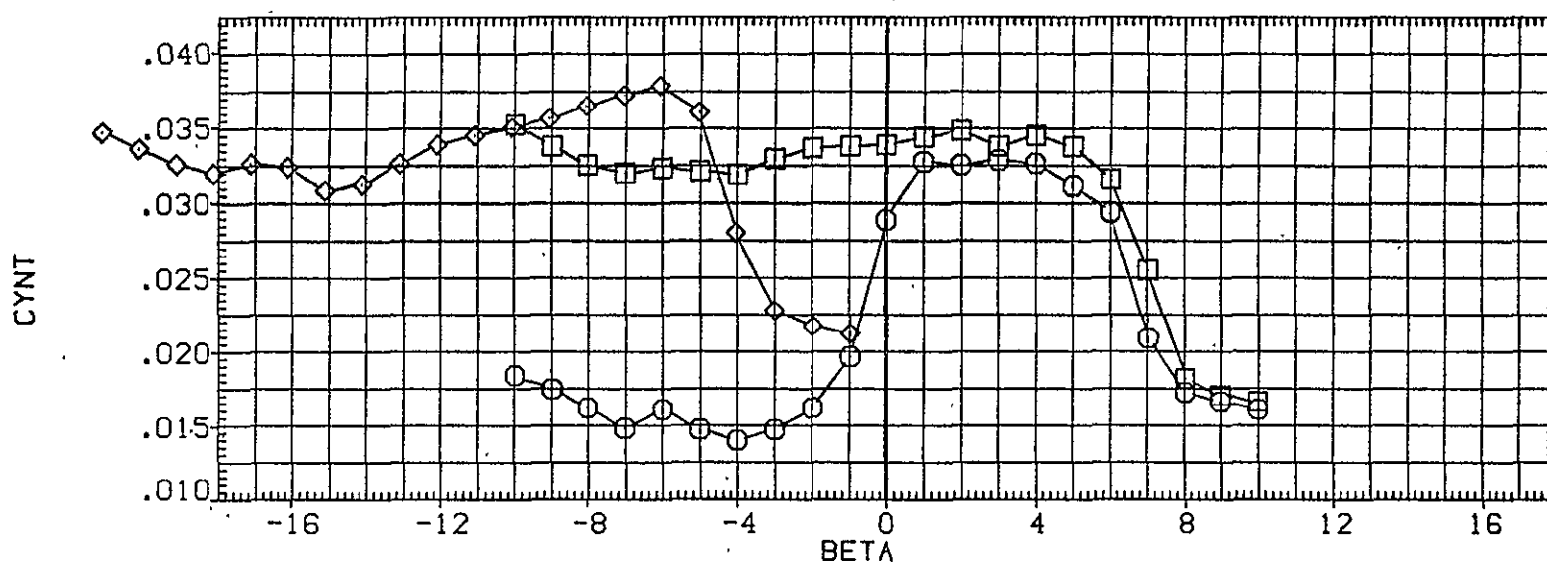
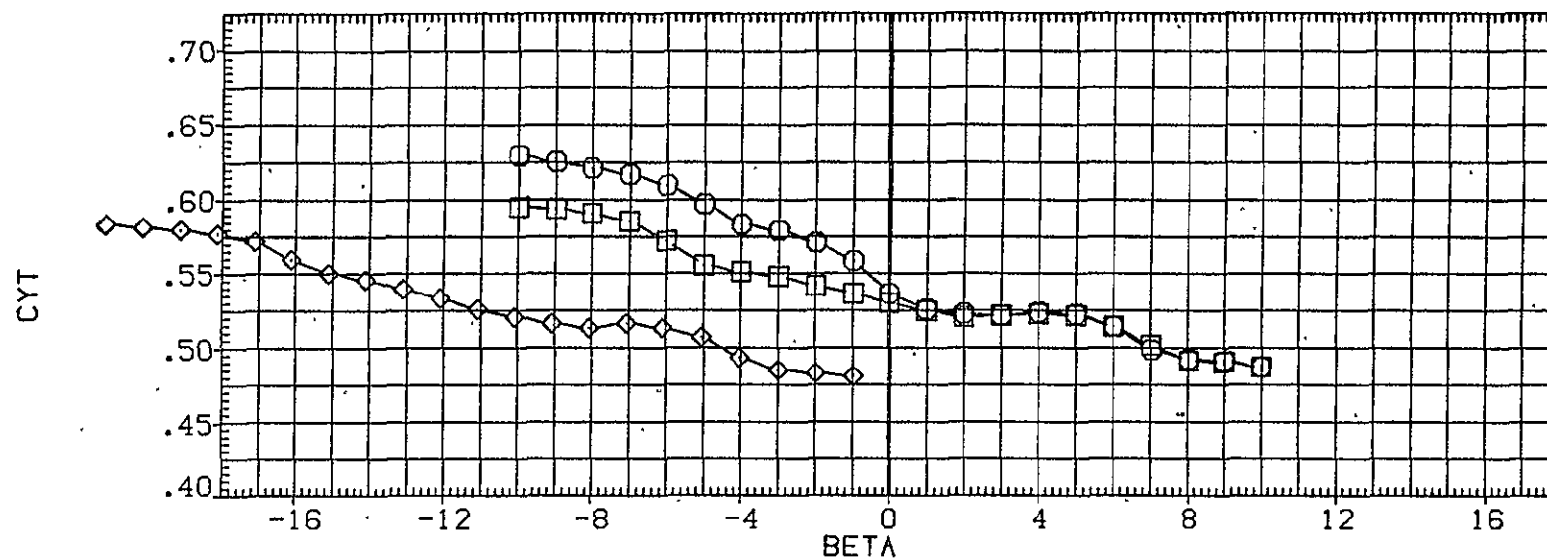
DATA SET SYMBOL · CONFIGURATION DESCRIPTION

(ST0072) ○ AEOC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)
 (ST0021) □ AEOC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)
 (AT0006) ◇ AEOC VA422 1A61 S RIGHT SRB

SRBPOS PT-JET RN/L
 3.300 1500.000 1.760
 .300 1500.000 1.760
 .300 1500.000 1.760

ALPHA
 .000
 .000
 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100

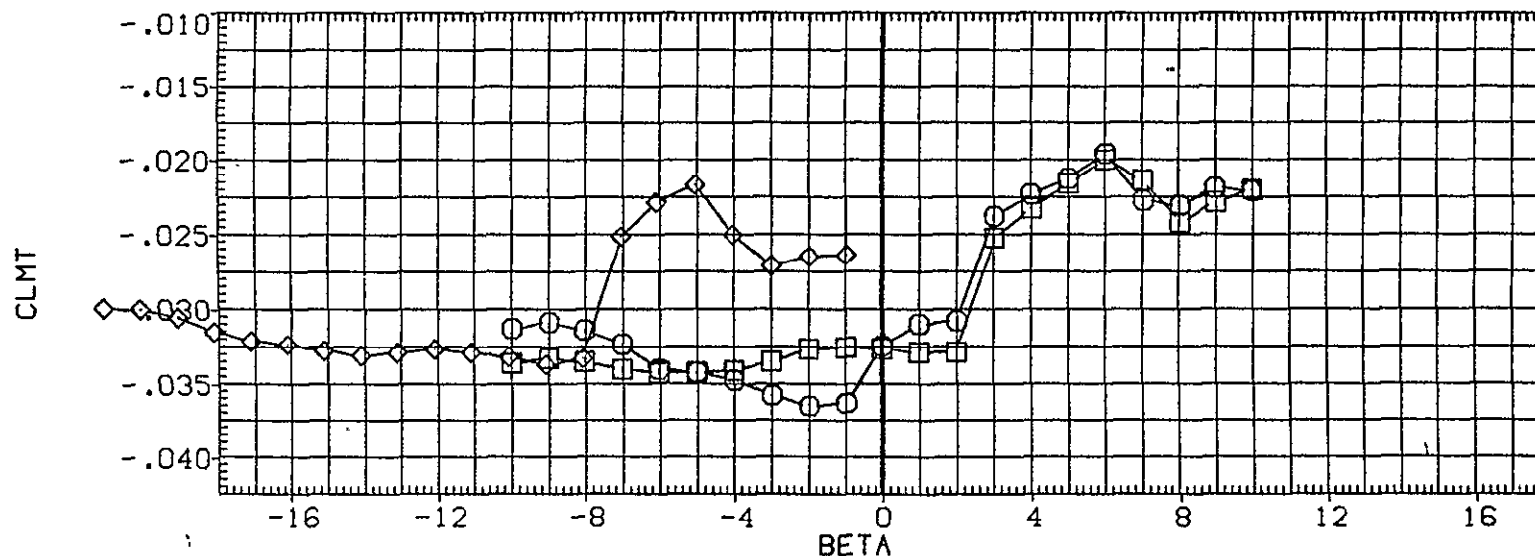
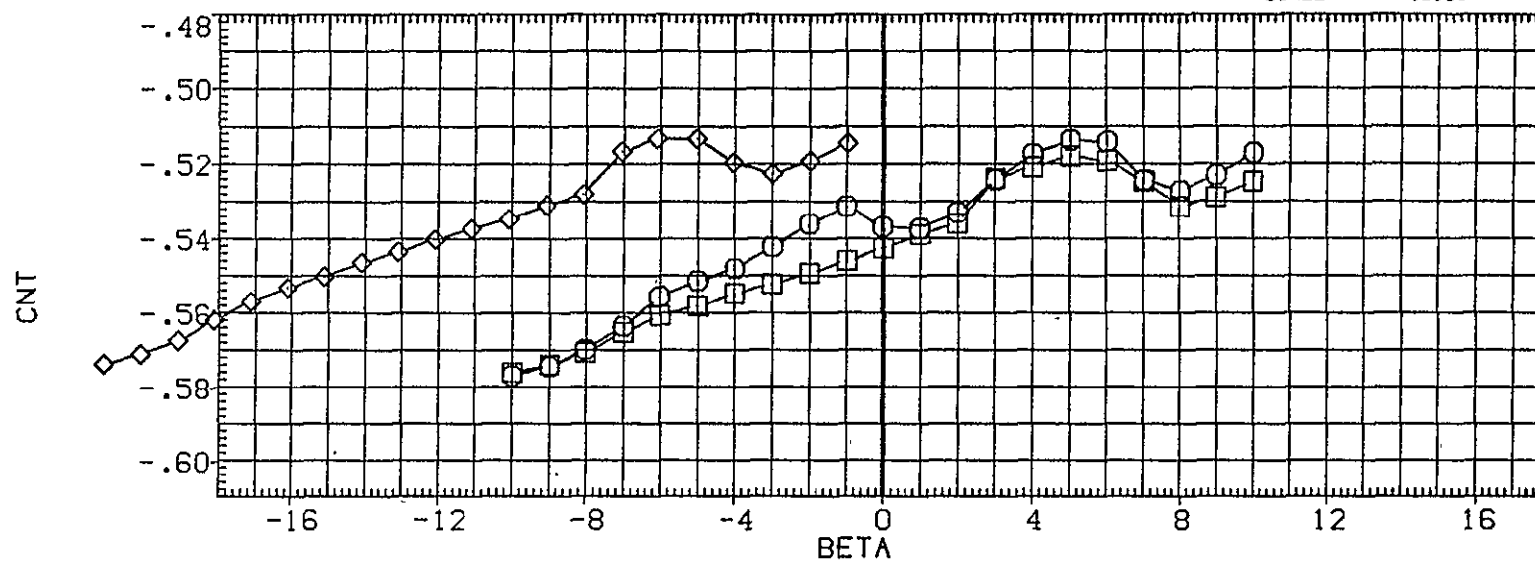


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT. (PJ=1500)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBP05	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(STQ072)	AEDC VA422 IA61 01ET1S1 SRB DATA (0/ET SEPRNG)	3.300	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(STQ021)	AEDC VA422 IA61 01ET1S1 SRB DATA (0/ET SEPRNG)	.300	1500.000	1.760	.000	LREF 1290.3000 IN.
(ATQ006)	AEDC VA422 IA61 S RIGHT SRB	.300	1500.000	1.760	.000	BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100

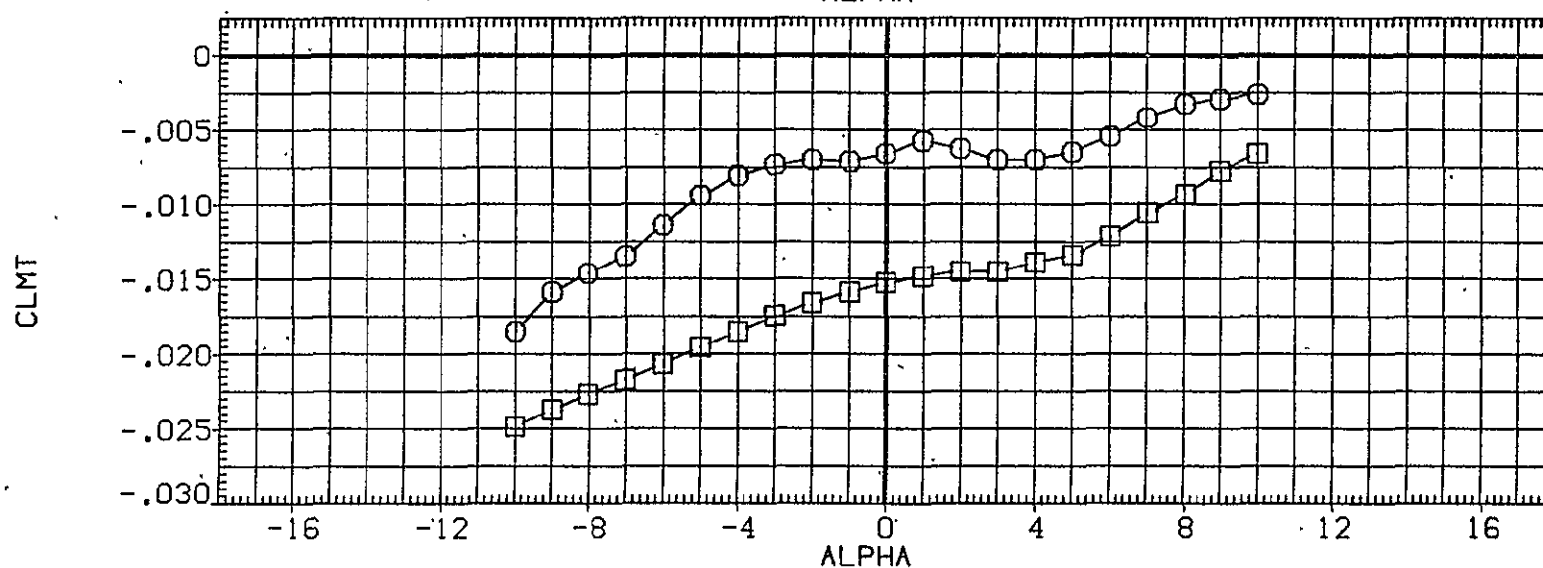
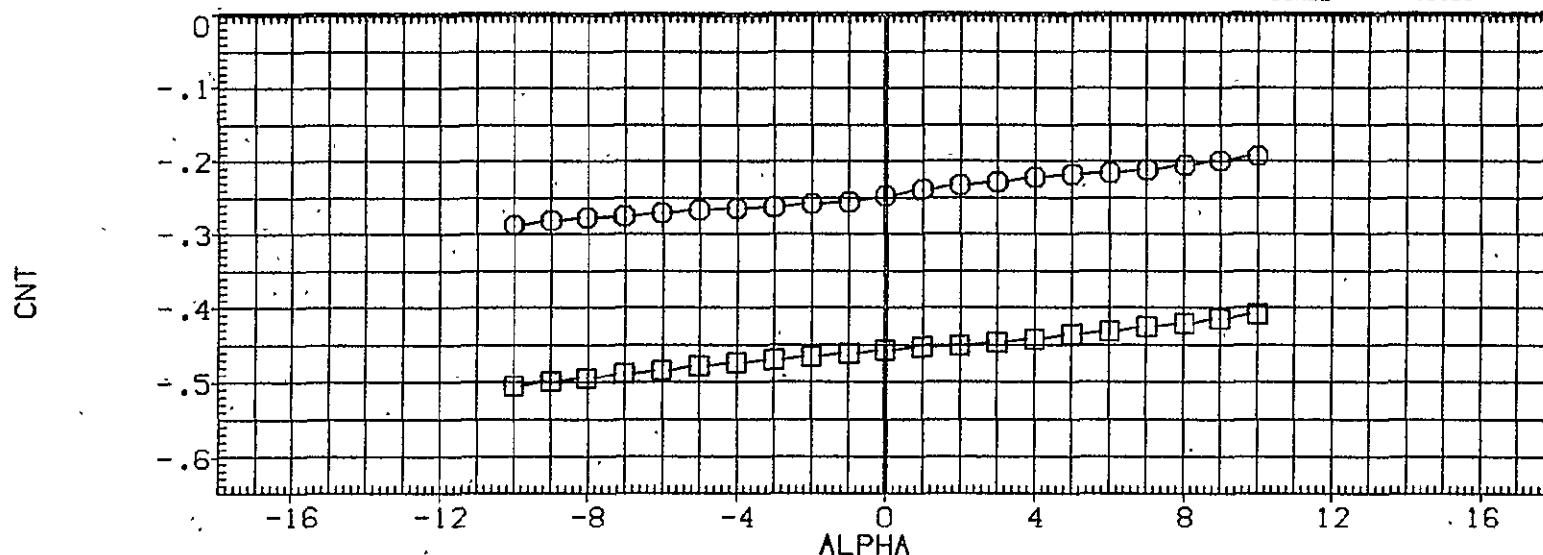


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT. (PJ=1500)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(ST0040)	○ AEDC VA422 IA61 01ET151 SRB DATA (O/ET SEPRNG)	1.100	750.000	1.760	.000	SREF 2690.0000 SQ.FT.
(BTLO11)	□ AEDC VA-422(IA-57), ORB/ET W/RIGHT SRB	.100	750.000	1.760	.000	LREF 1290.3000 IN.
						BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100



COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT. (PJ=750)

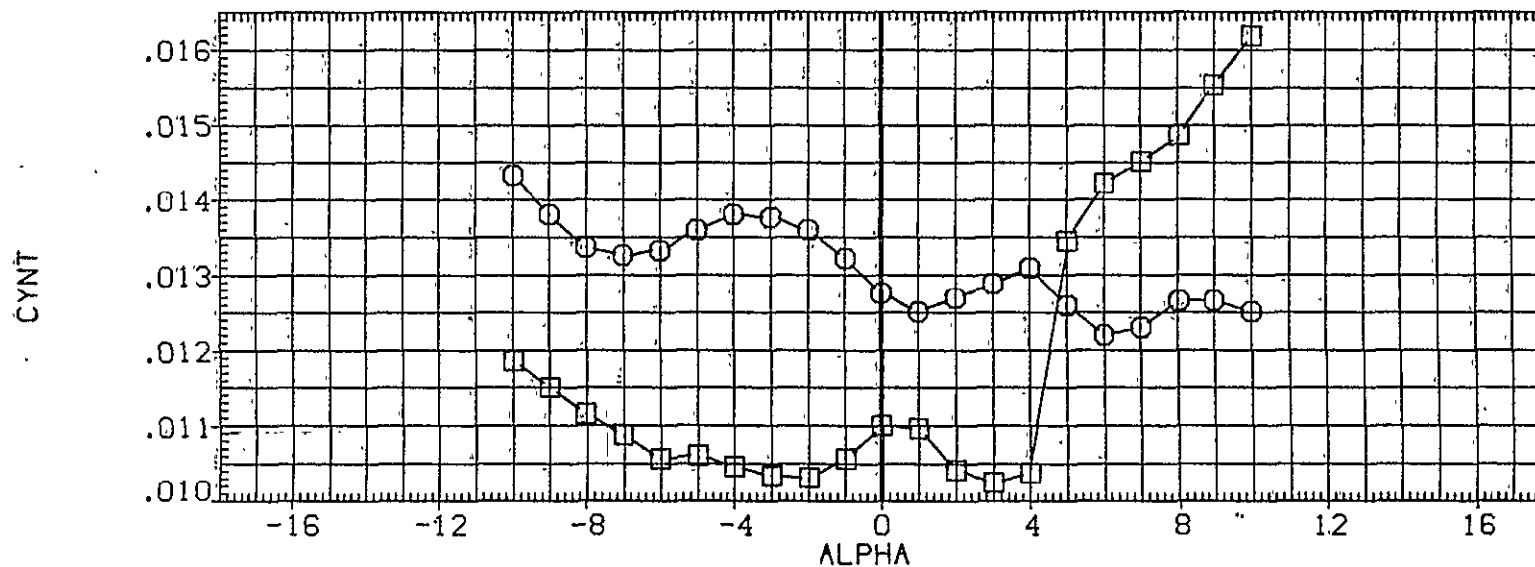
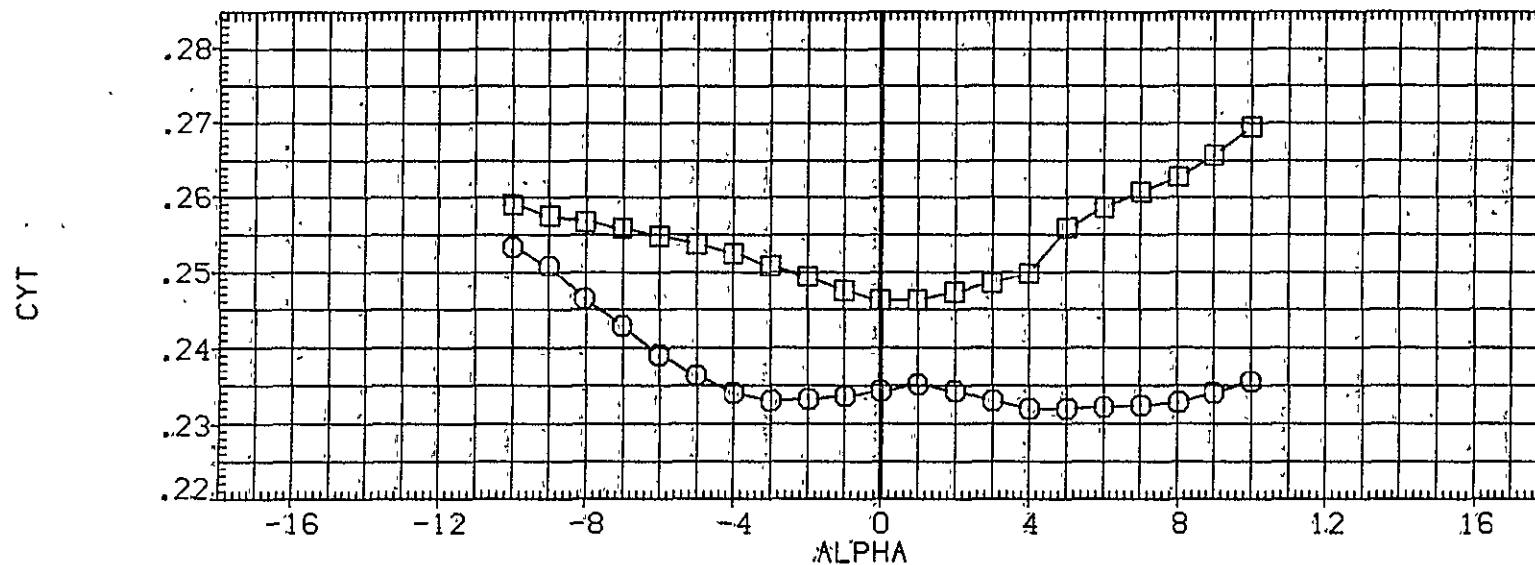
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0040) ☐ AEDC VA422 (A61 01ET1S) SRB DATA (O/ET SEPRNG)
 (BTLO11) ☐ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB

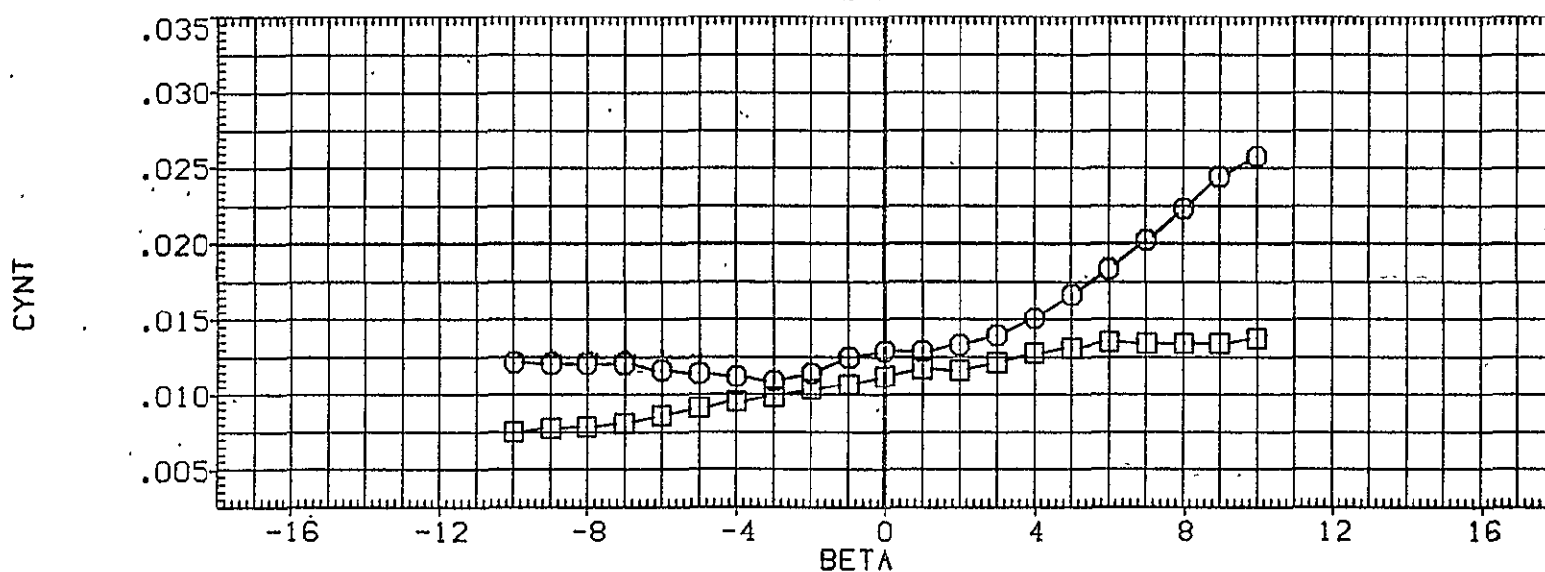
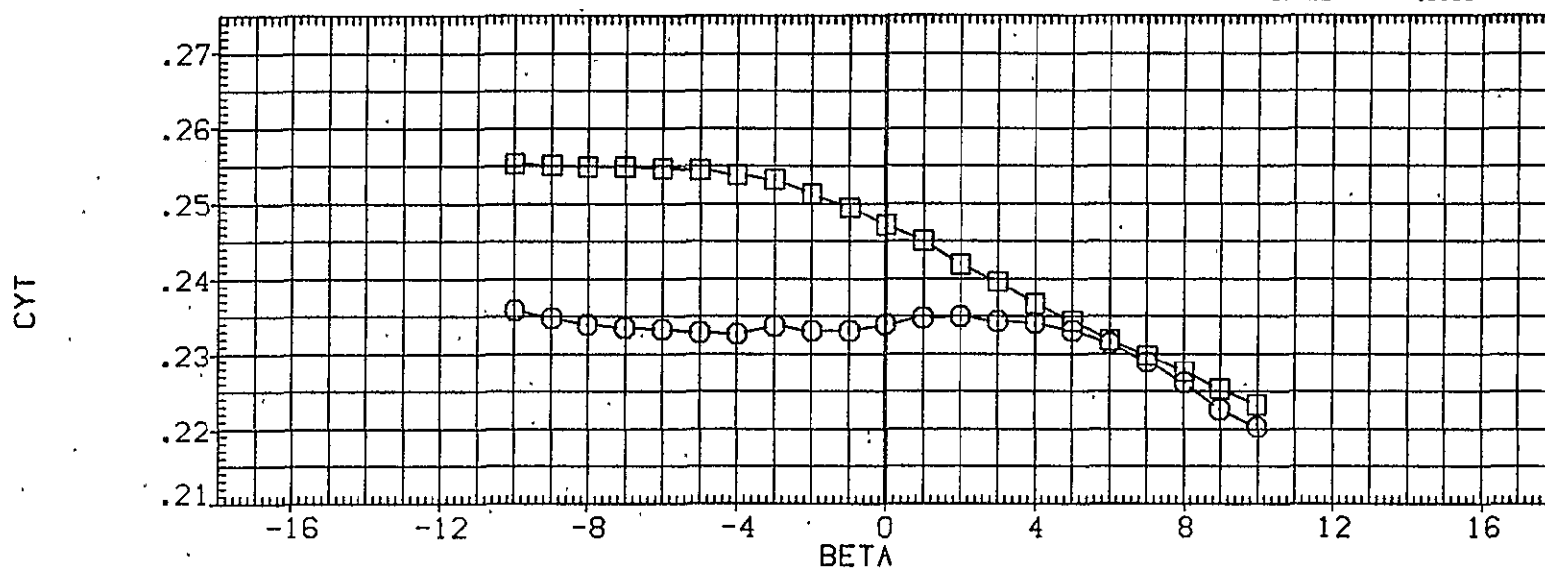
SRBPOS PT-JET RN/L BETA
 1.100 750.000 1.760 .000
 .100 750.000 1.760 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT. (PJ=750)
 (A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(ST0041)	○ AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTING)	1.100	750.000	1.760	.000	SREF 2690.0000 SQ.FT.
(BTLO12)	□ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.100	750.000	1.760	.000	LREF 1290.3000 IN.
						BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100

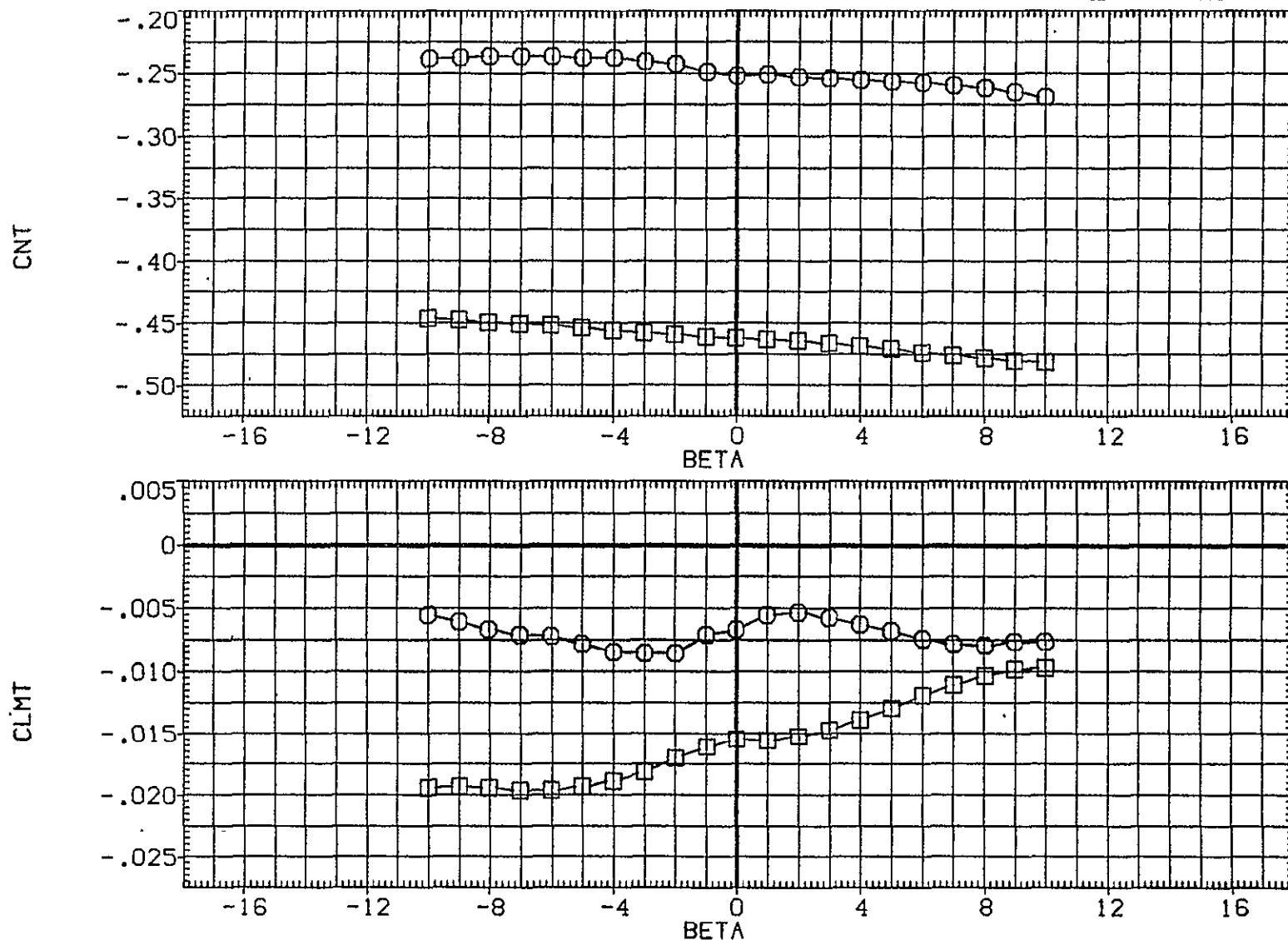


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT. (PJ=750)

(A)MACH = 4.50

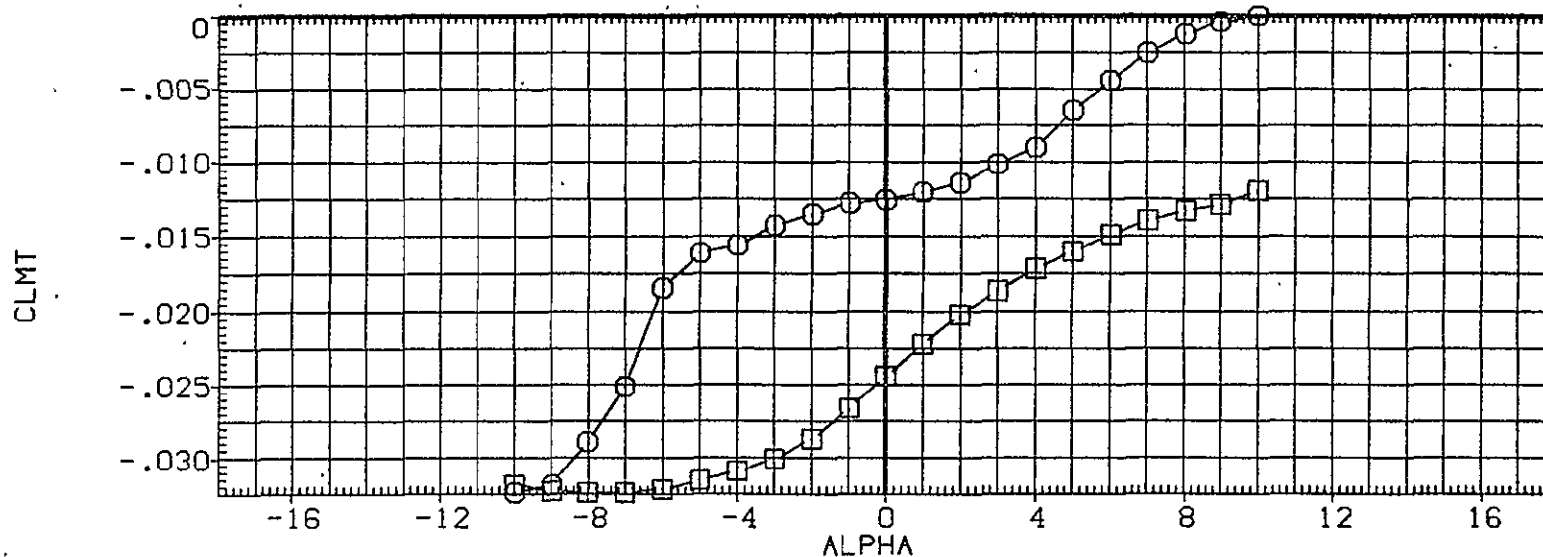
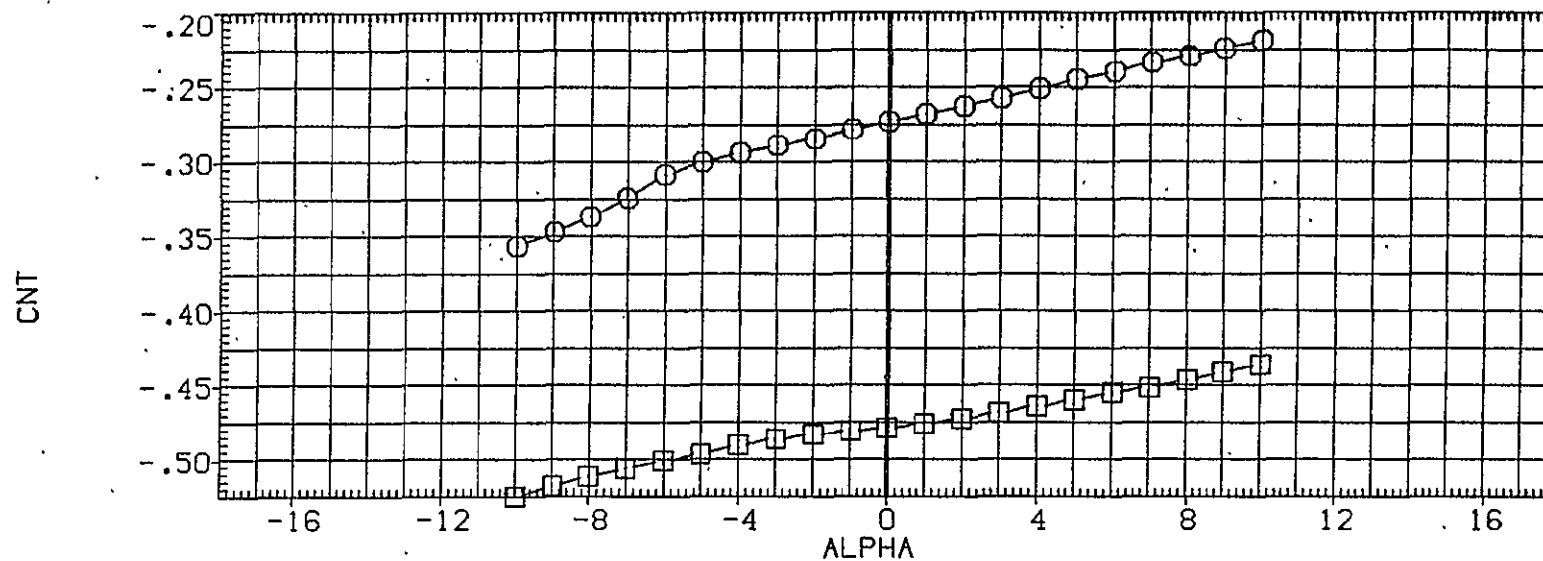
PAGE 207

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(STQ041)	□ AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	1.100	750.000	1.760	.000	SREF 2690.0000 SQ.FT.
(BTLO12)	□ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.100	750.000	1.760	.000	LREF 1290.3000 IN.
						BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100



COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT. (PJ=750)
 (A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(STQ052)	○ AEDC VA422 (A61 01ET1S1 SRB DATA (0/ET SEPRNG)	2.200	750.000	1.760	.000	SREF 2690.0000 SQ.FT.
(BTLO19)	□ AEDC VA-422(1A-57), 0RB/ET W/RIGHT SRB	.200	750.000	1.760	.000	LREF 1290.3000 IN.
						BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100



COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT. (PJ=750)

(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (S10052) ○ AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)
 (BTL019) □ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB

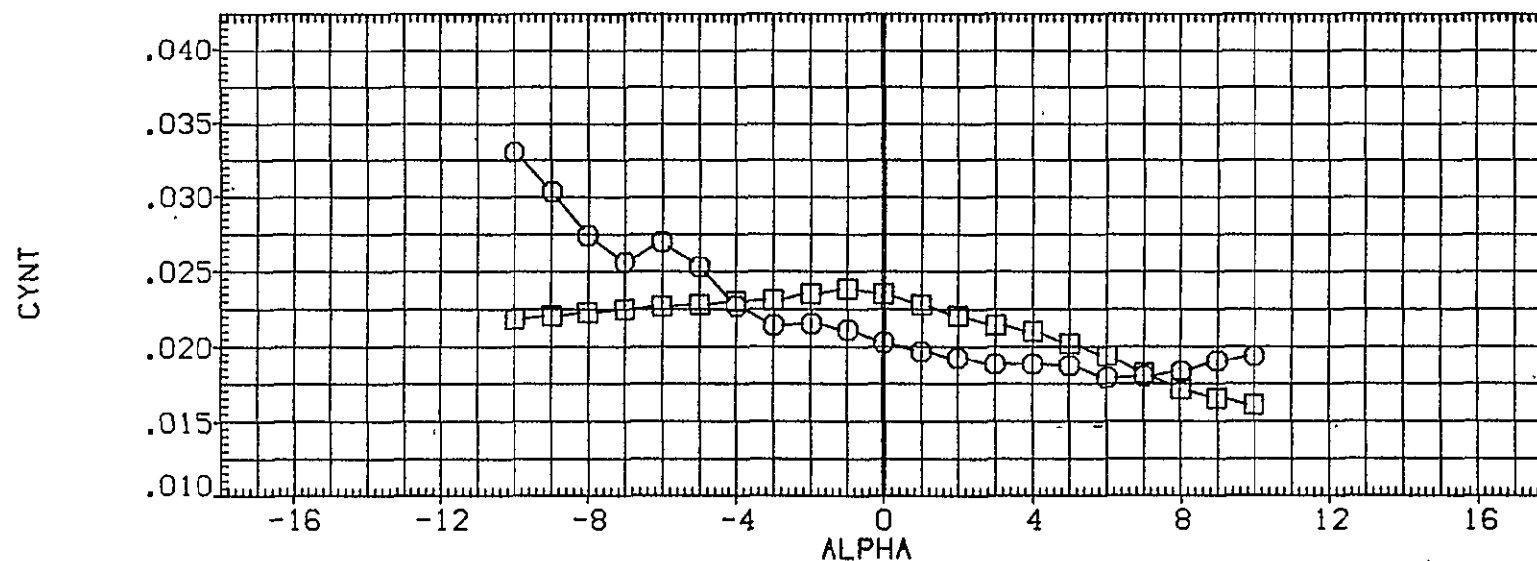
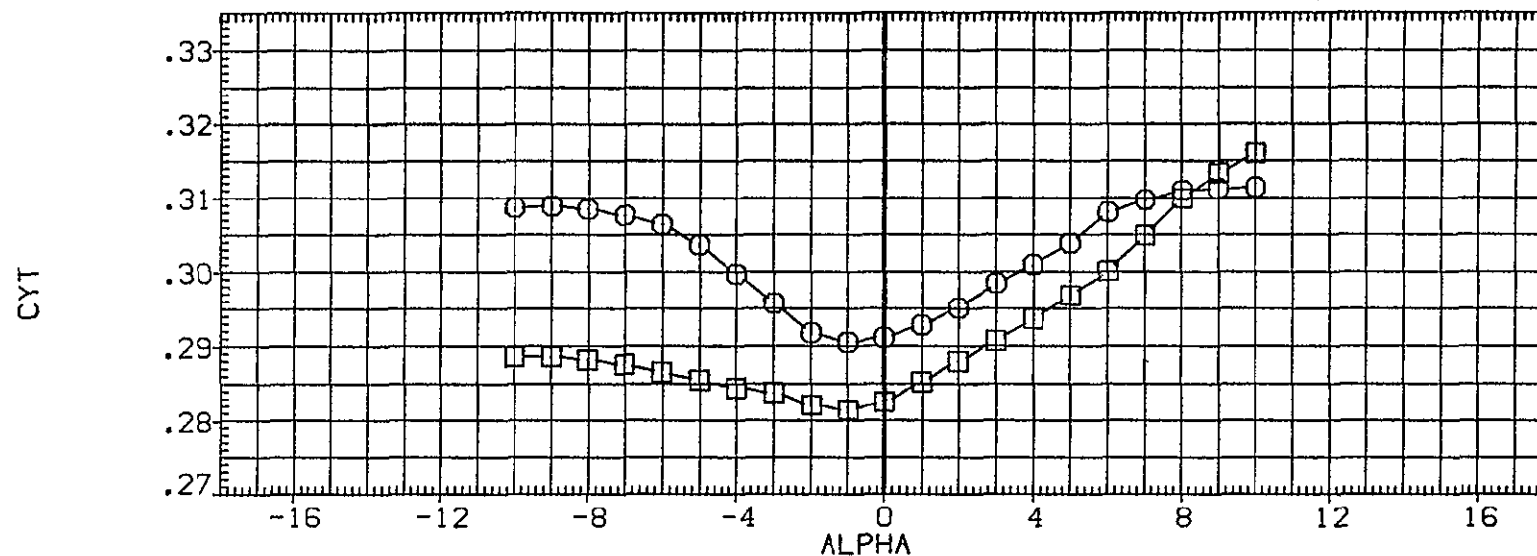
SRBPOS PT-JET RN/L
 2.200 750.000 1.760
 .200 750.000 1.760

BETA

.000
 .000

REFERENCE INFORMATION

SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100

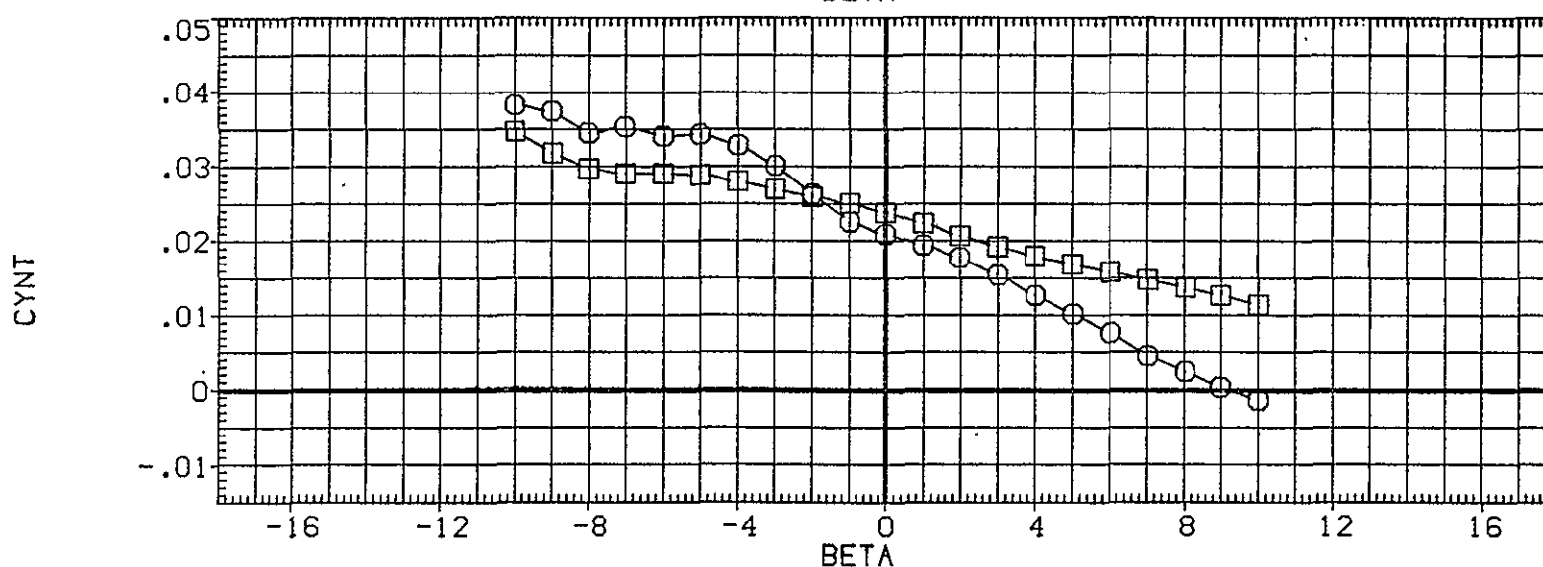
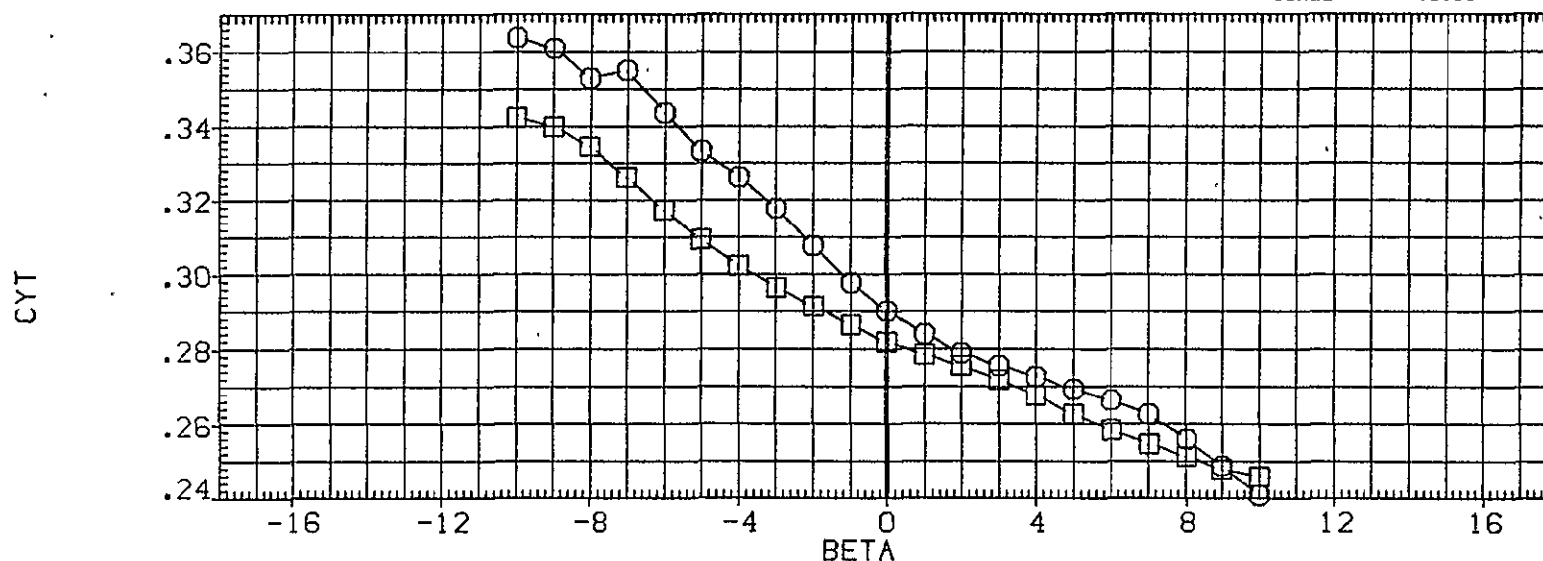


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT. (PJ=750)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBP05	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(ST0053)	○ AEDC VA422 (A6) 01ET151 SRB DATA (0/ET SEPRNG)	2.200	750.000	1.760	.000	SREF 2690.0000 SQ.FT.
(BTLO20)	□ AEDC VA-422(1A-57), 0RB/ET W/RIGHT SRB	.200	750.000	1.760	.000	LREF 1290.3000 IN.
						BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100



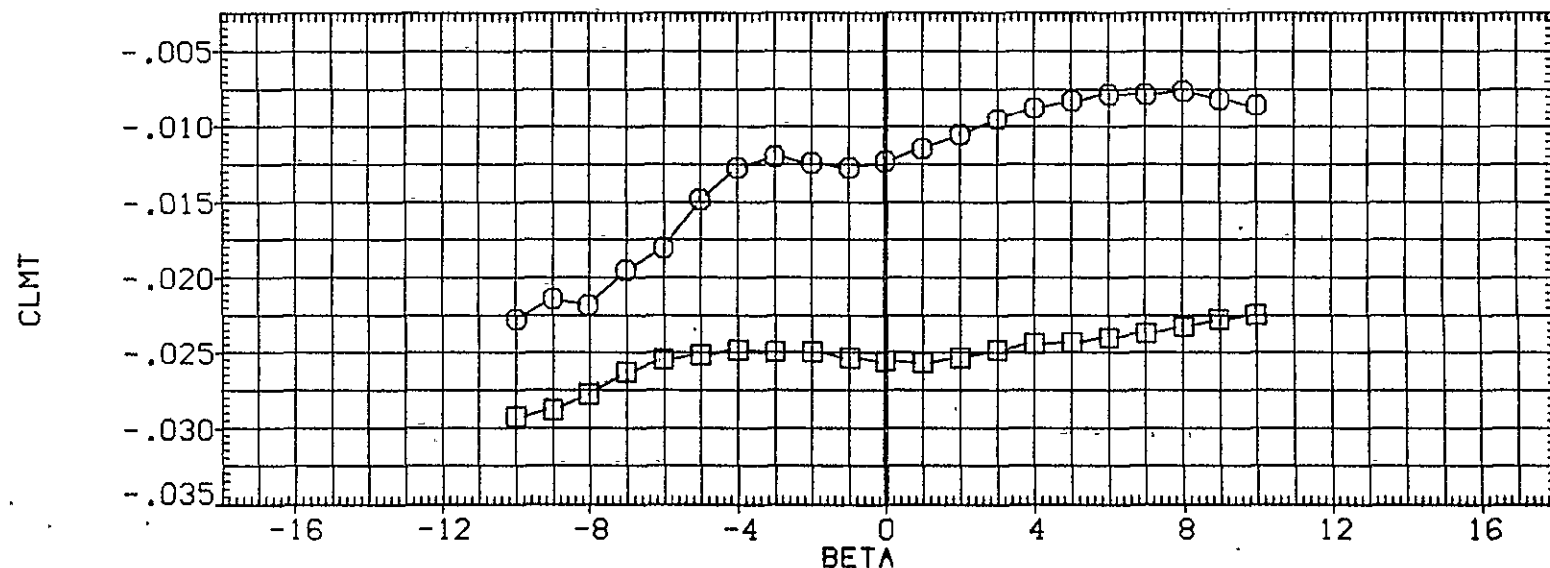
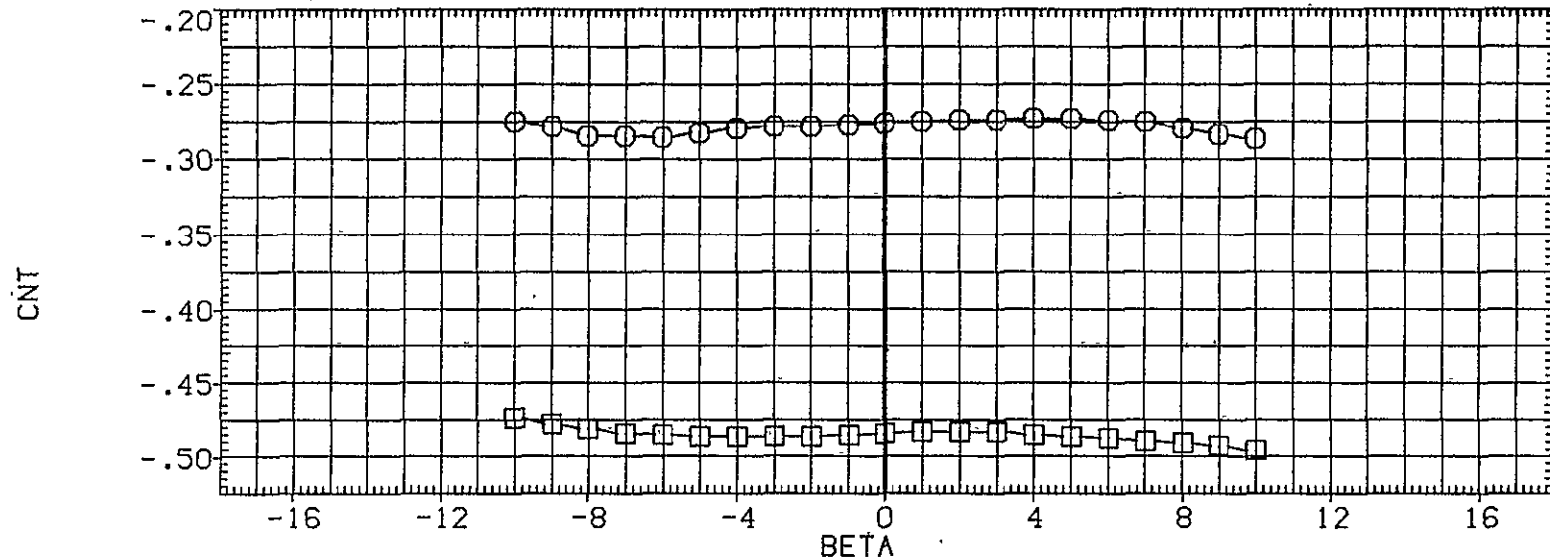
COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT. (PJ=750)

(A)MACH = 4.50

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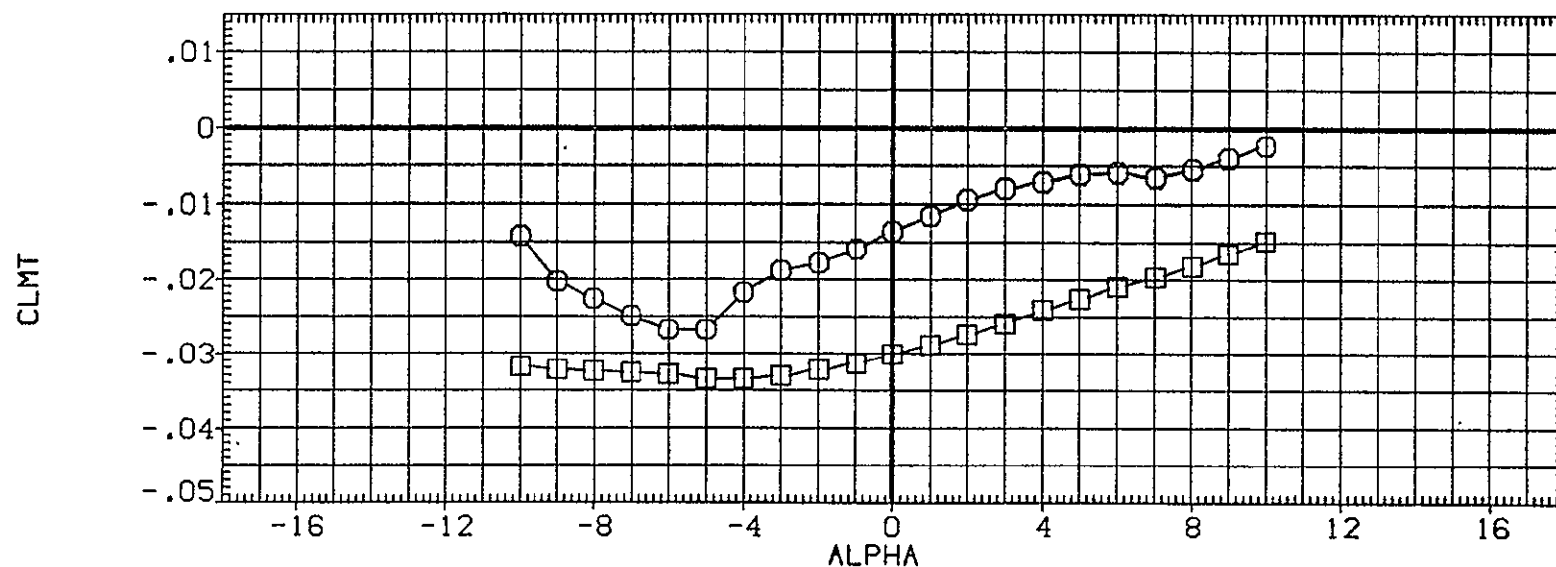
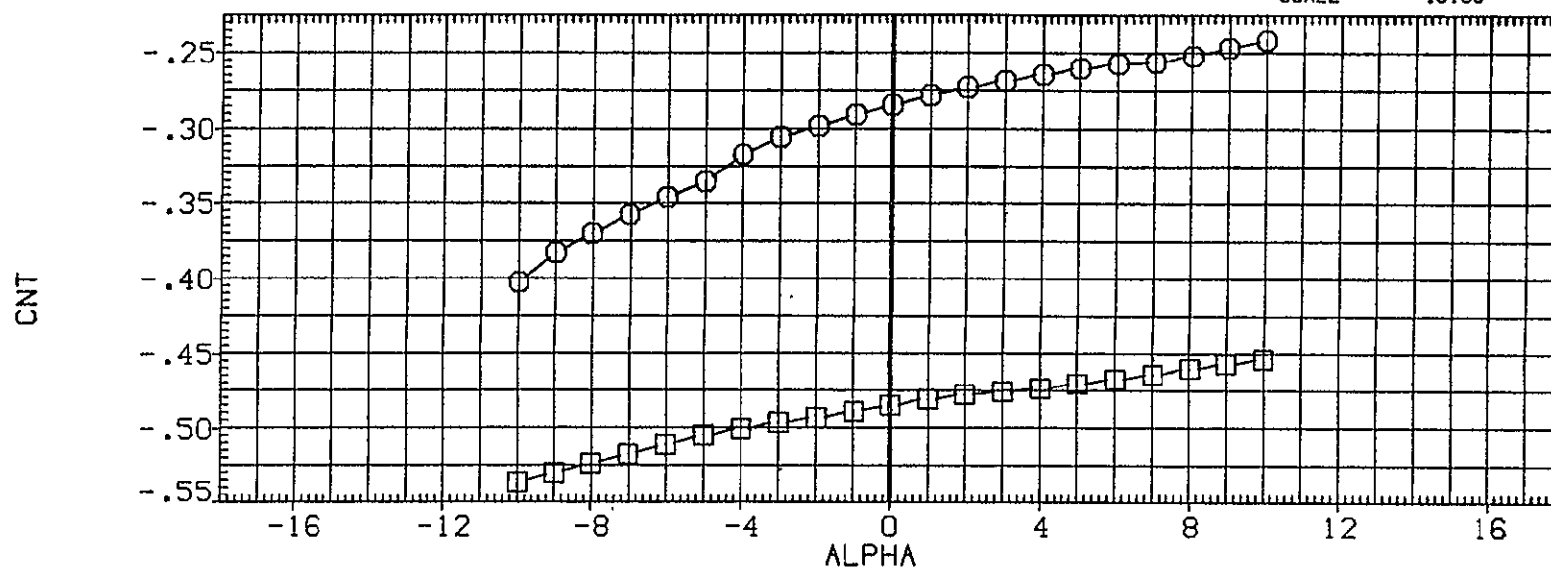
DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0053)  AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)
 (BTLO20)  AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB

SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
2,200	750,000	1.760	.000	SREF	2690.0000 SQ.FT.
.200	750,000	1.760	.000	LREF	1290.3000 IN.
				BREF	1290.3000 IN.
				XMRP	1167.0000 IN.XS
				YMRP	.0000 IN.YS
				ZMRP	400.0000 IN.ZS
				SCALE	.0100



COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT. (PJ=750)
 (A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(ST0069)	○ AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)	3.300	750.000	1.760	.000	SREF 2690.0000 SQ.FT.
(BTLO27)	□ AEDC VA-422(1A-57), 0RB/ET W/RIGHT SRB	.300	750.000	1.760	.000	LREF 1290.3000 IN.
						BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100



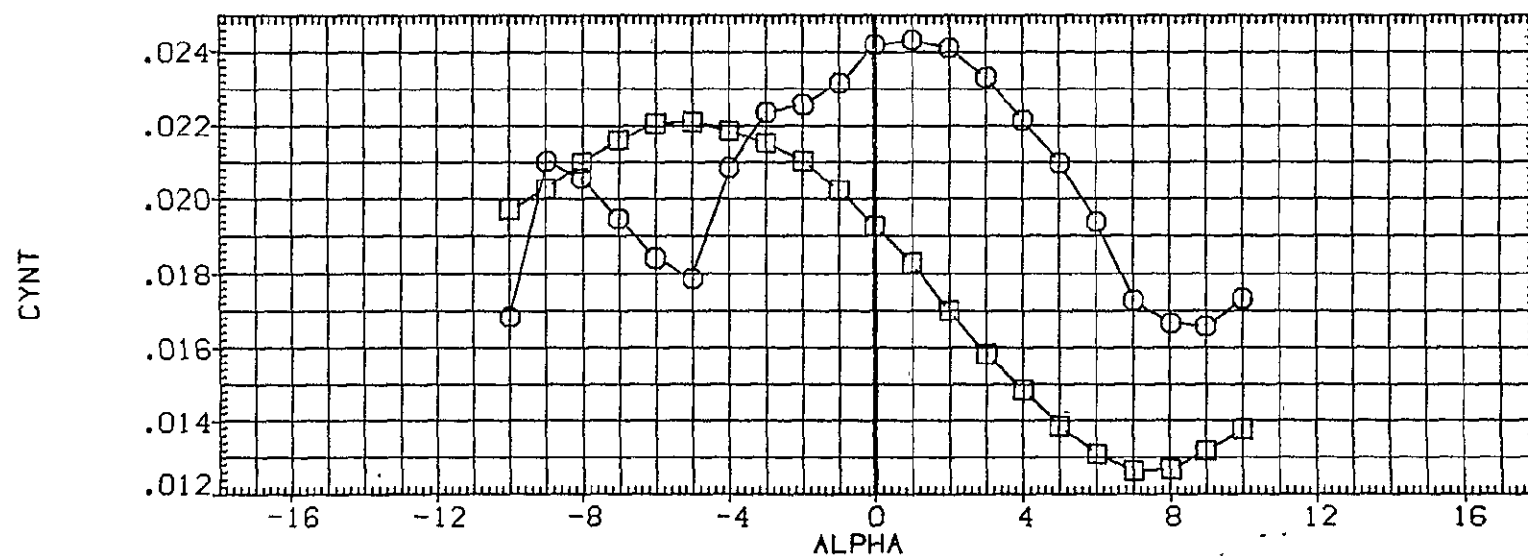
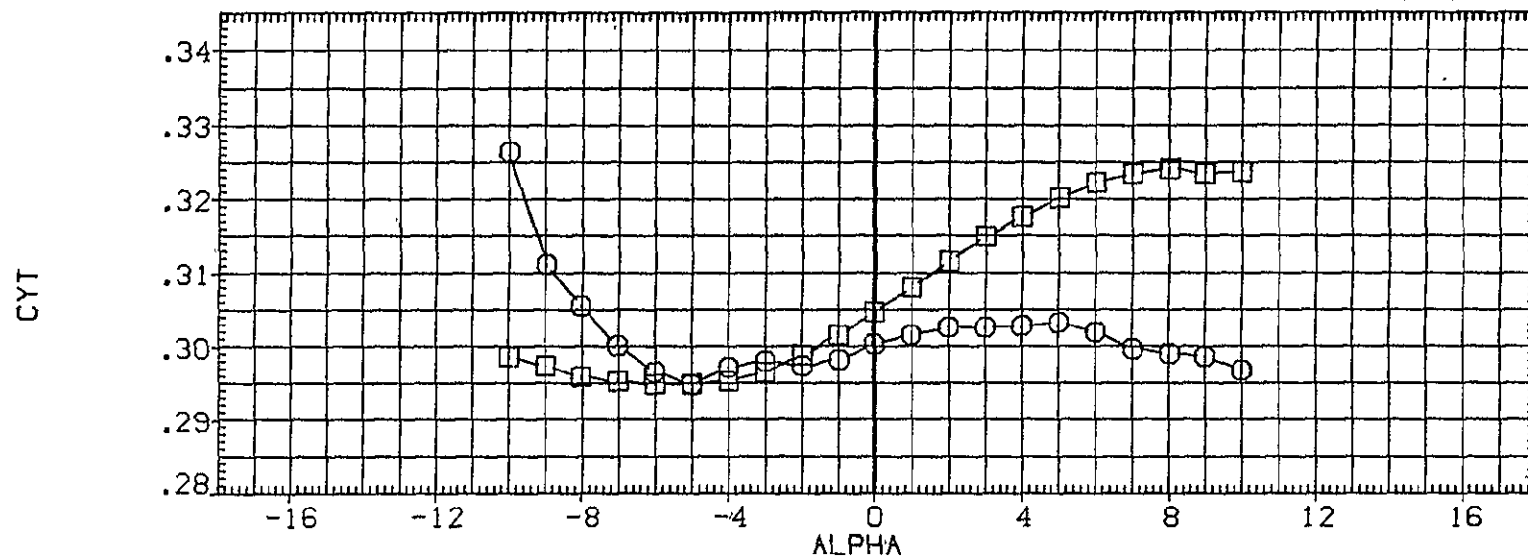
COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT. (PJ=750)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ST0069)	AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRTING)
(BTLO27)	AEDC VA-422(1A-57), 0RB/ET W/RIGHT SRB

SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
3.300	750.000	1.760	.000	SREF 2690.0000 SQ.FT.
.300	750.000	1.760	.000	LREF 1290.3000 IN.
				BREF 1290.3000 IN.
				XMRP 1167.0000 IN.XS
				YMRP .0000 IN.YS
				ZMRP 400.0000 IN.ZS
				SCALE .0100

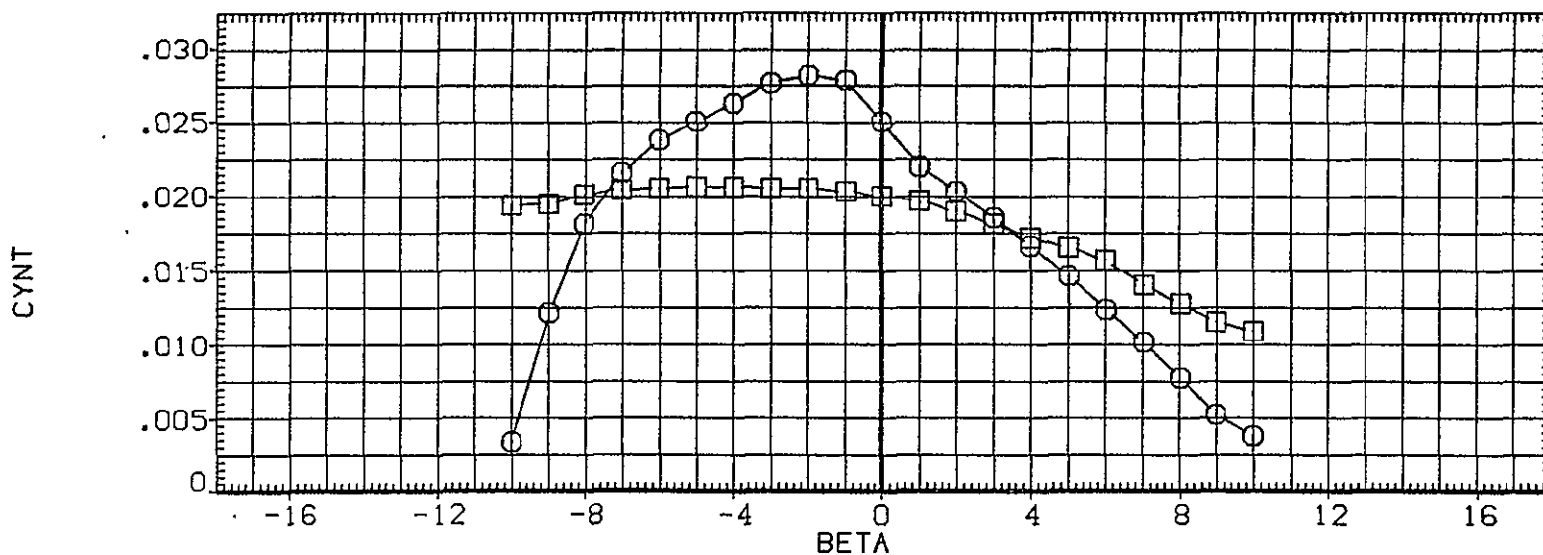
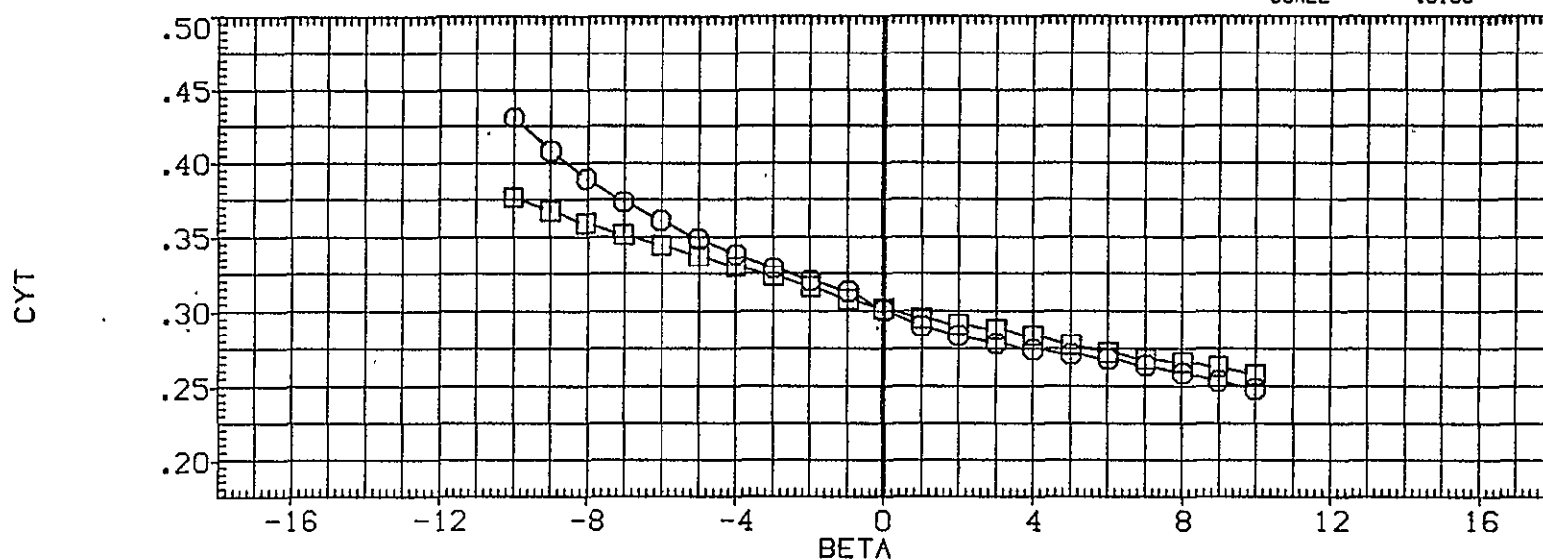


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT. (PJ=750)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBP05	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(STQ070)	○ AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)	3.300	750.000	1.760	.000	SREF 2690.0000 SQ.FT.
(BTL028)	□ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.300	750.000	1.760	.000	LREF 1290.3000 IN.
						BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100

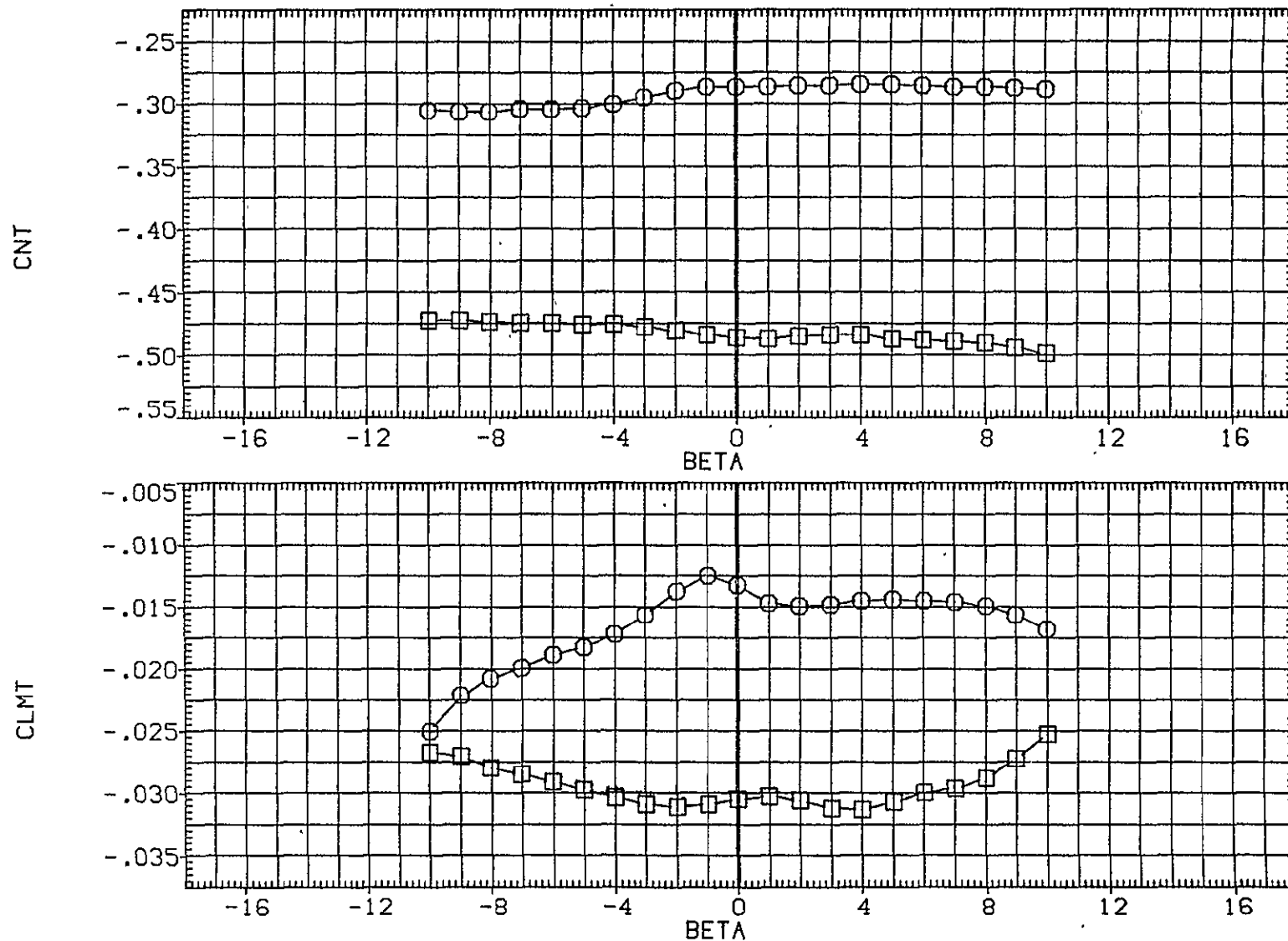


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT. (PJ=750)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(ST0070)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	3.300	750.000	1.760	.000	SREF	2690.0000	50.FT.
(BTL028)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.300	750.000	1.760	.000	LREF	1290.3000	IN.
						BREF	1290.3000	IN.
						XMRP	1167.0000	IN.XS
						YMRP	.0000	IN.YS
						ZMRP	400.0000	IN.ZS
						SCALE	.0100	

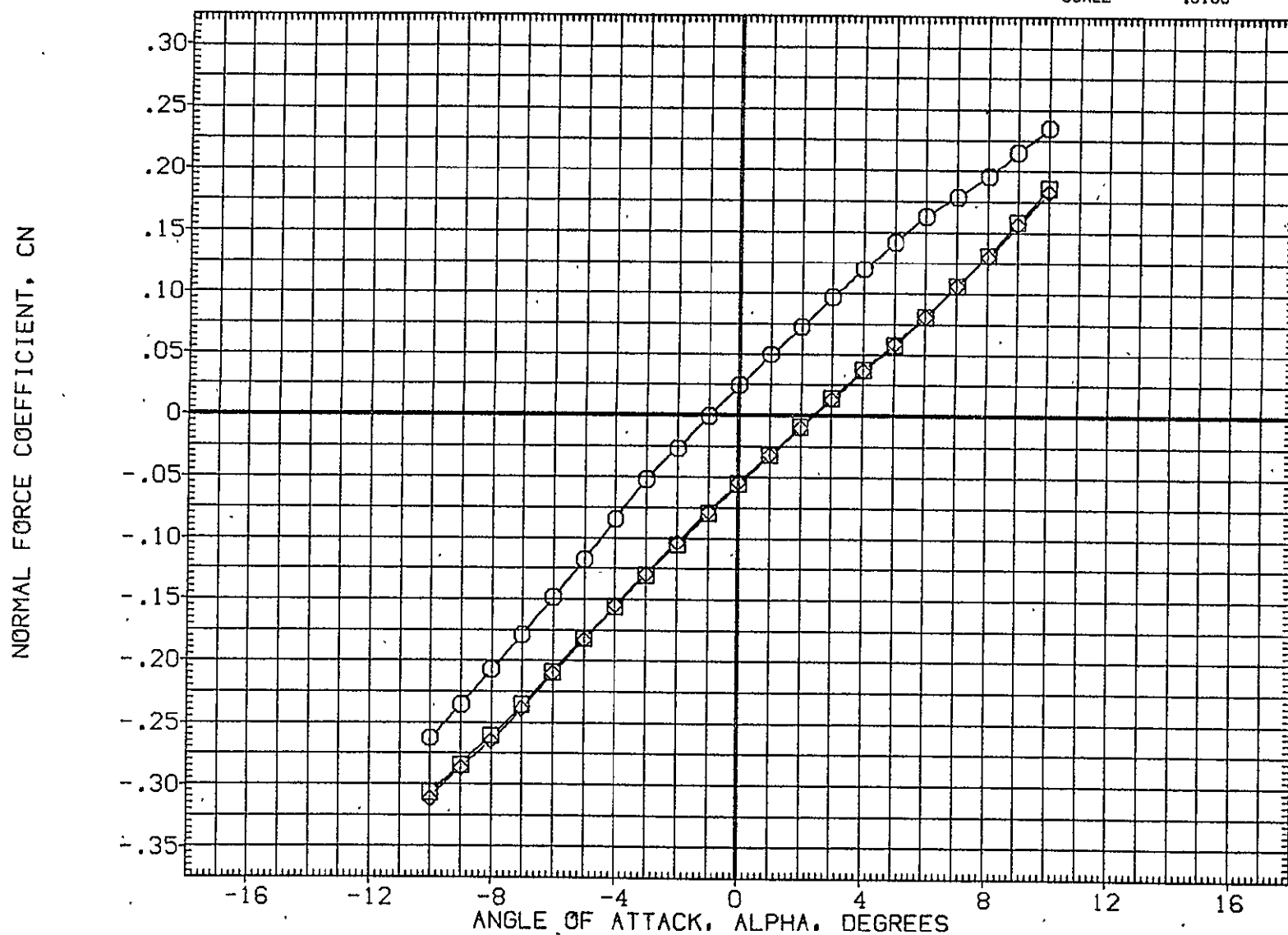


COMPARISON OF SINGLE AND DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT. (PJ=750)

(A)MACH = 4.50

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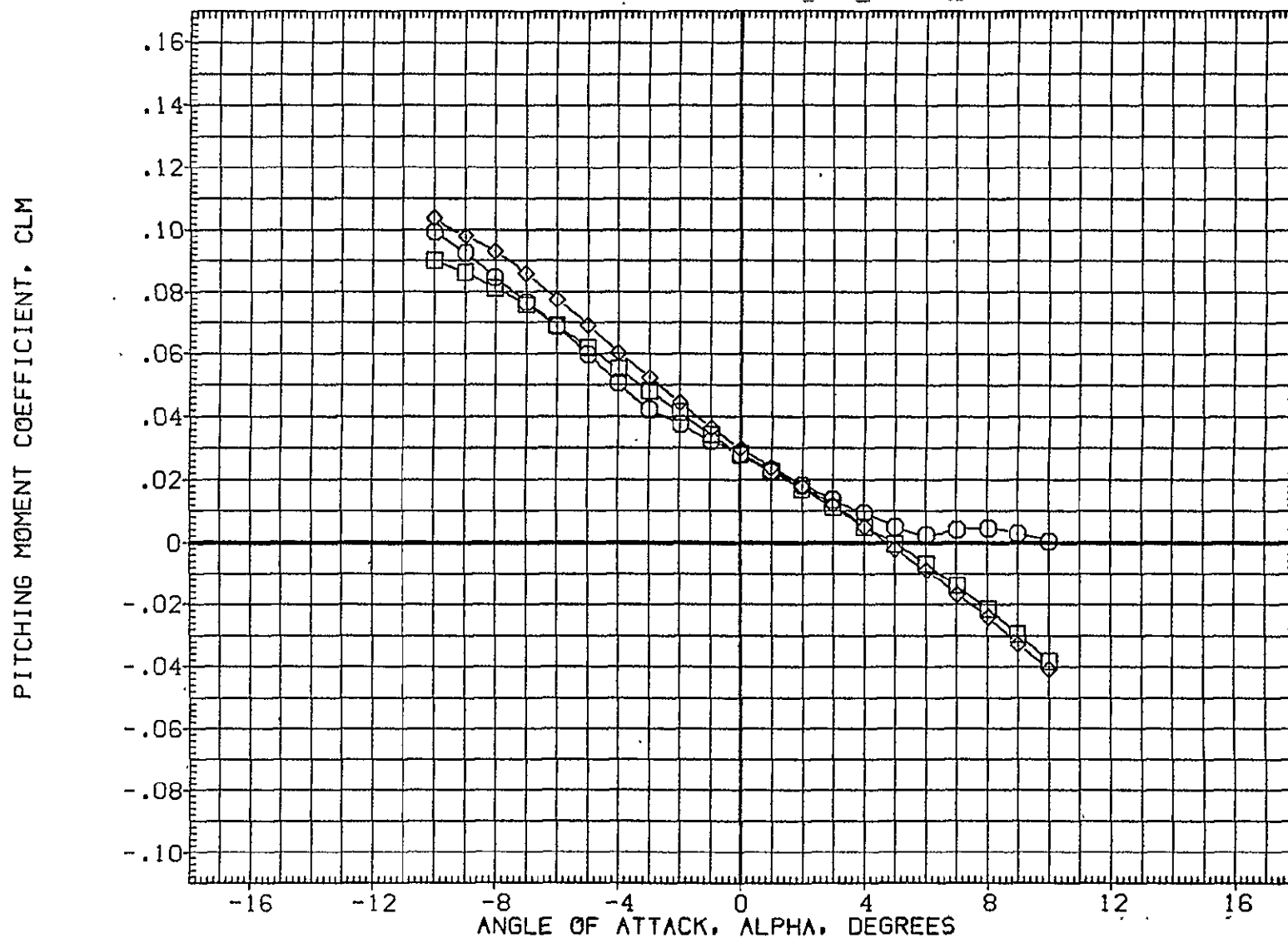
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(RT0015)	AEDC VA422 IAGI O/ET (RIGHT SRB SEPRNG)	.100	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATL009)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.100	.000	1.760	.000	LREF	1290.3000 IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100



EFFECT OF SRB ENGINE PLUME ON O/ET AERO CHARACT.

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(RT0015)	○ AEDC VA422 1A61 01ET1S1 0/ET (RIGHT SRB SEPRNG)	.100	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATL009)	□ AEDC VA-422(1A-57), 0RB/ET W/RIGHT SRB	.100	.000	1.760	.000	LREF	1290.3000 IN.
(ATL001)	◇ AEDC VA-422(1A-57), ISOLATED 0RB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

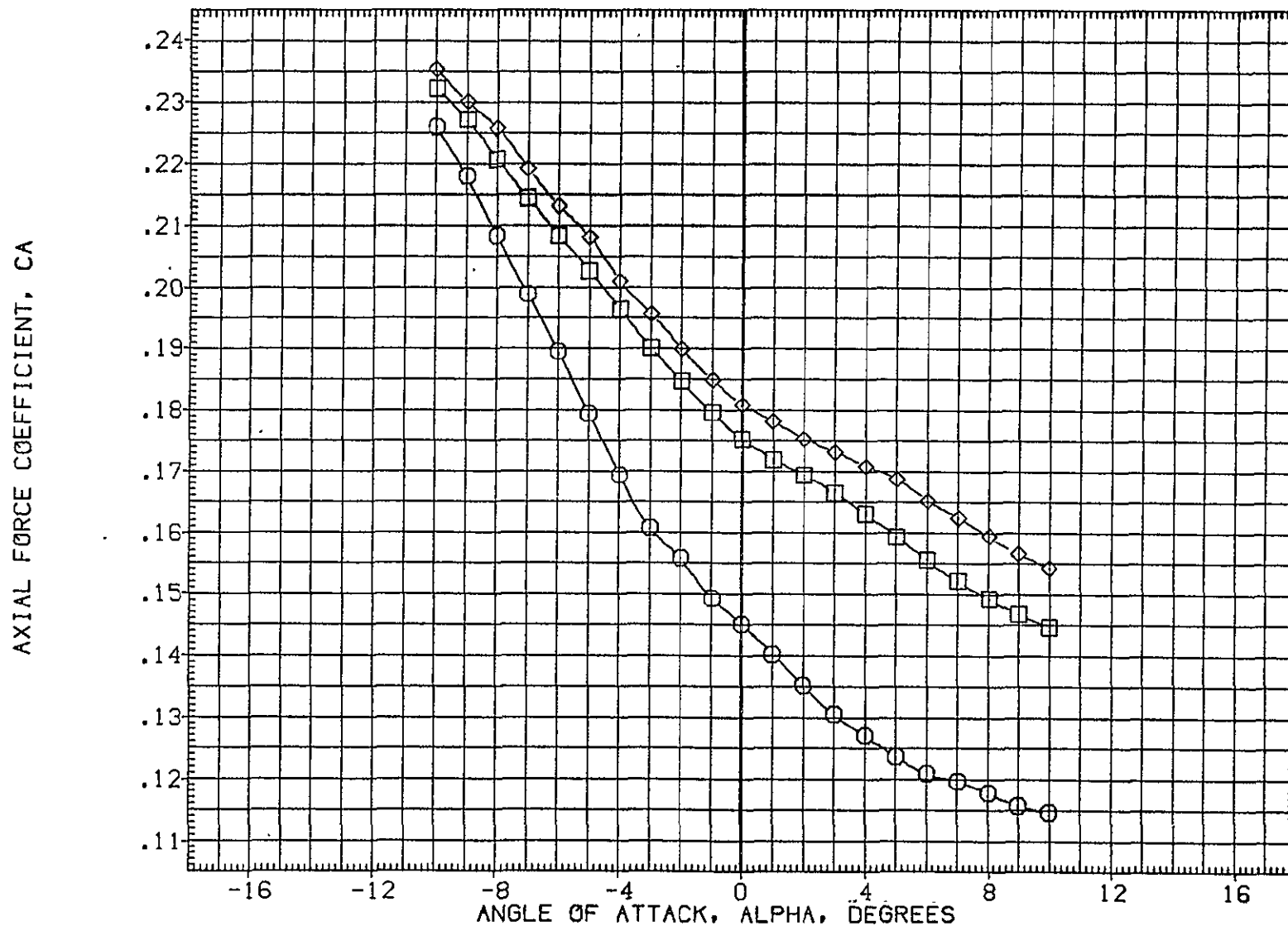


EFFECT OF SRB ENGINE PLUME ON 0/ET AERO CHARACT.

(A)MACH = 4.50

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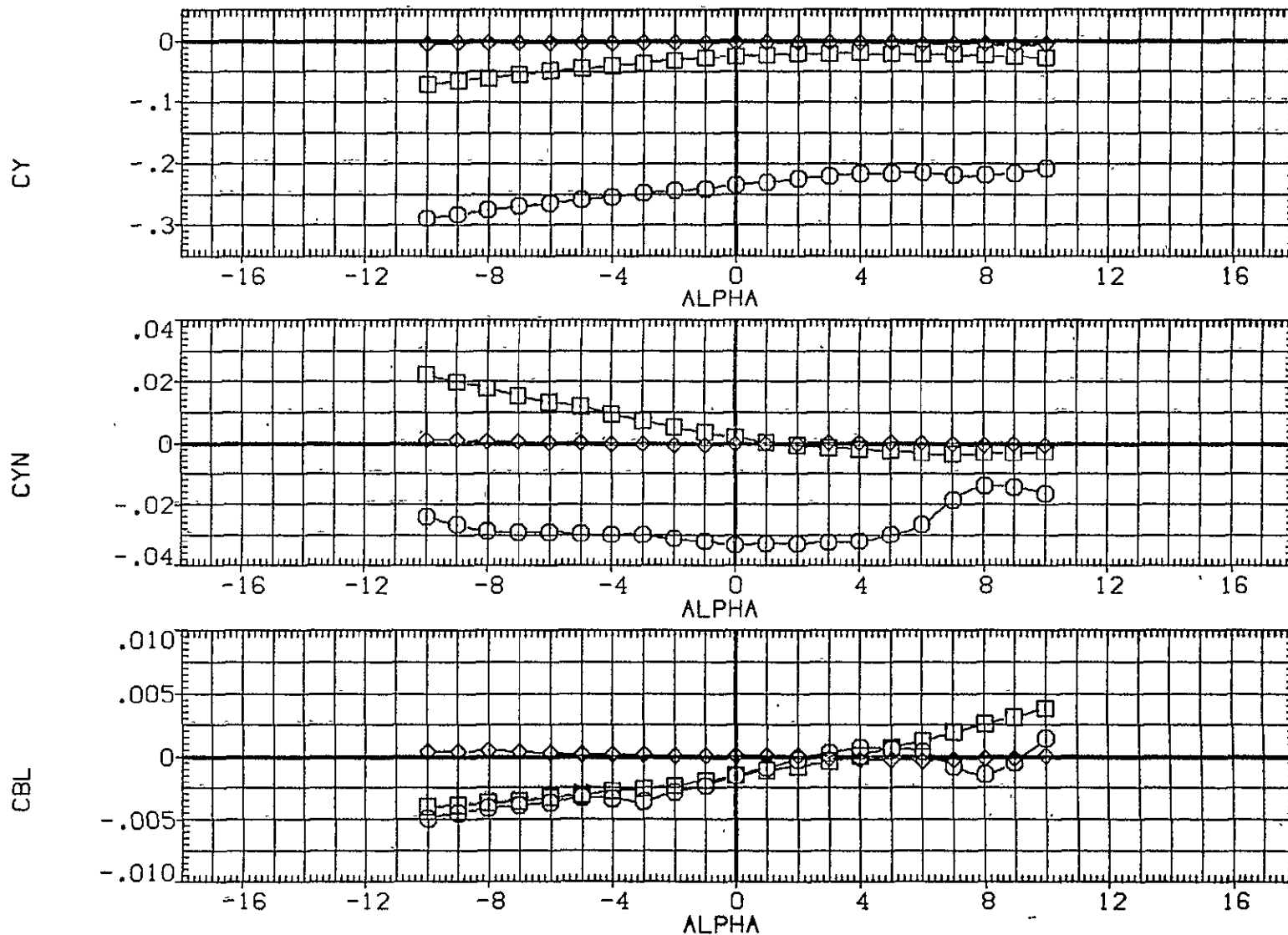
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0015)	AEDC VA422 (A61 01ET1S1 O/ET (RIGHT SRB SEPRNG)	.100	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL009)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.100	.000	1.760	.000	LREF	1290.3000	IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF SRB ENGINE PLUME ON O/ET AERO CHARACT.

(CA)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(RT0015)	AEDC VA422 1A61 01ET1S1 O/ET (RIGHT SRB SEPRNG)	.100	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATL009)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.100	.000	1.760	.000	LREF 1290.3000 IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100

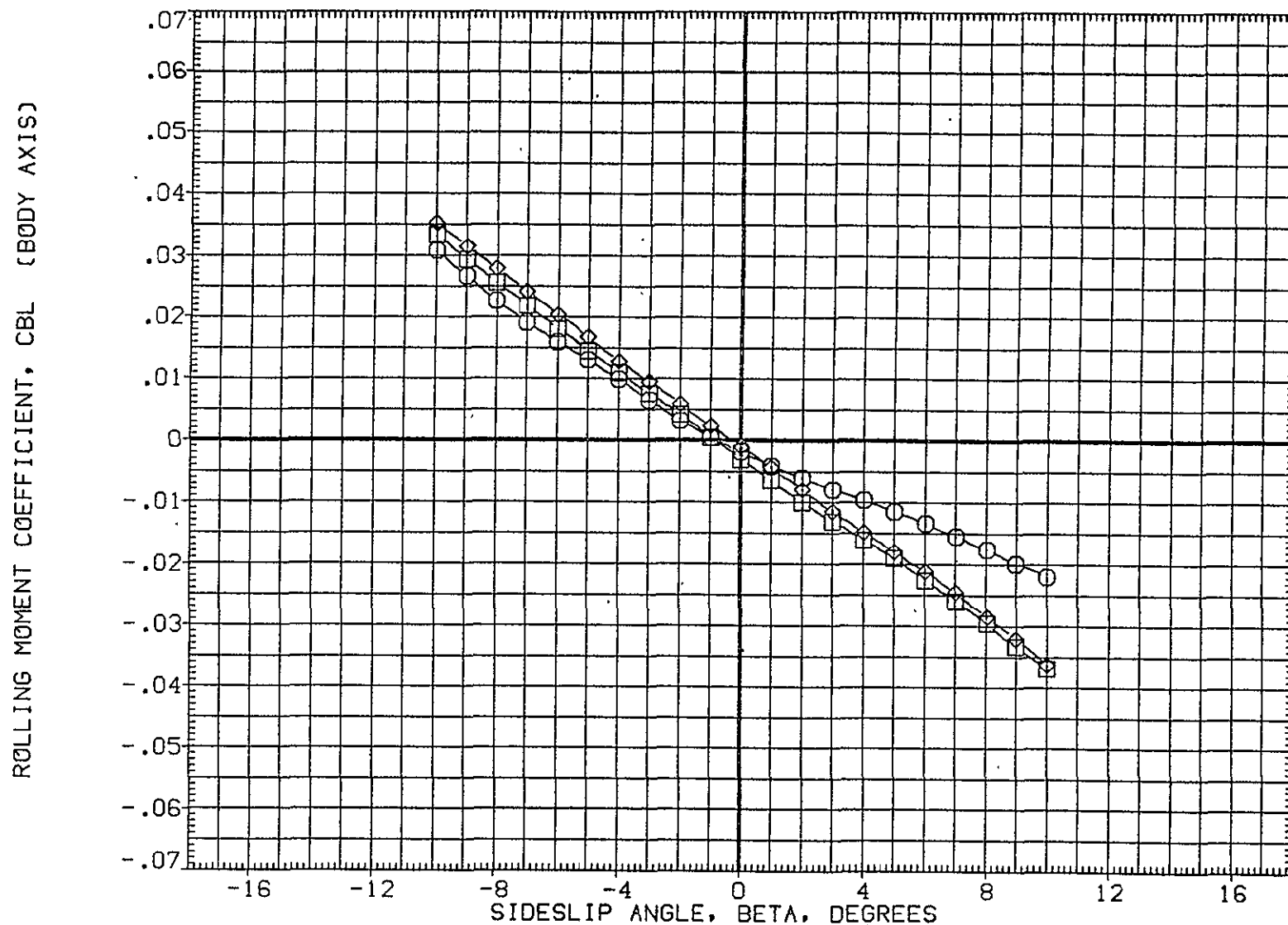


EFFECT OF SRB ENGINE PLUME ON O/ET AERO CHARACT.

(A)MACH. = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPDS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0016)	AEDC VA422 1A61 01ET1S1 O/ET (RIGHT SRB SEPRING)	.100	1500.000	1.760	.000	SREF	2690.0000	50.FT.
(ATLO10)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.100	.000	1.760	.000	LREF	1290.3000	IN.
(ATLO02)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

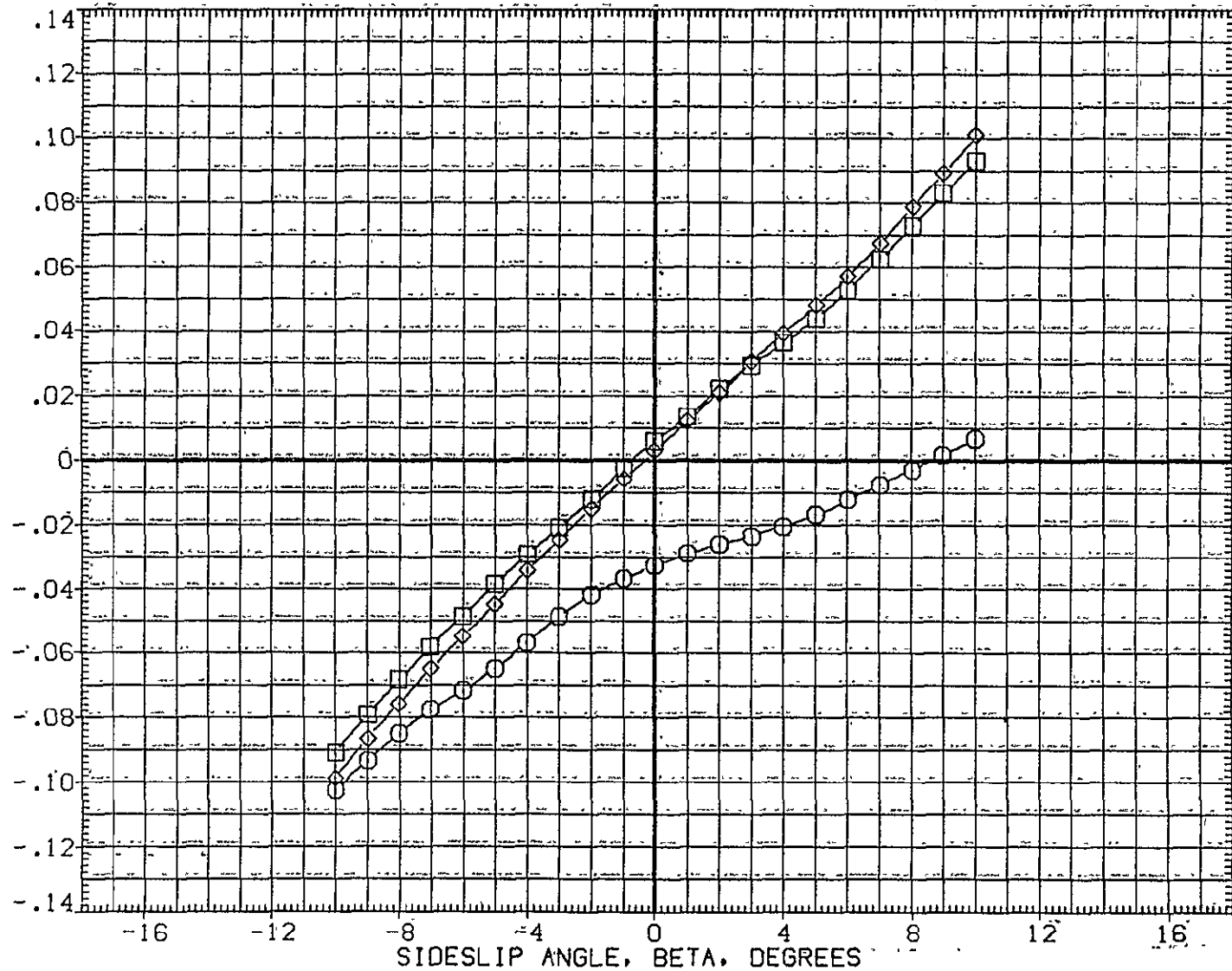


EFFECT OF SRB ENGINE PLUME ON O/ET AERO CHARACT.

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RT0016)	AEDC VA422 (A61) O/ET (RIGHT SRB SEPRTING)	.100	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATL010)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.100	.000	1.760	.000	LREF	1290.3000 IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

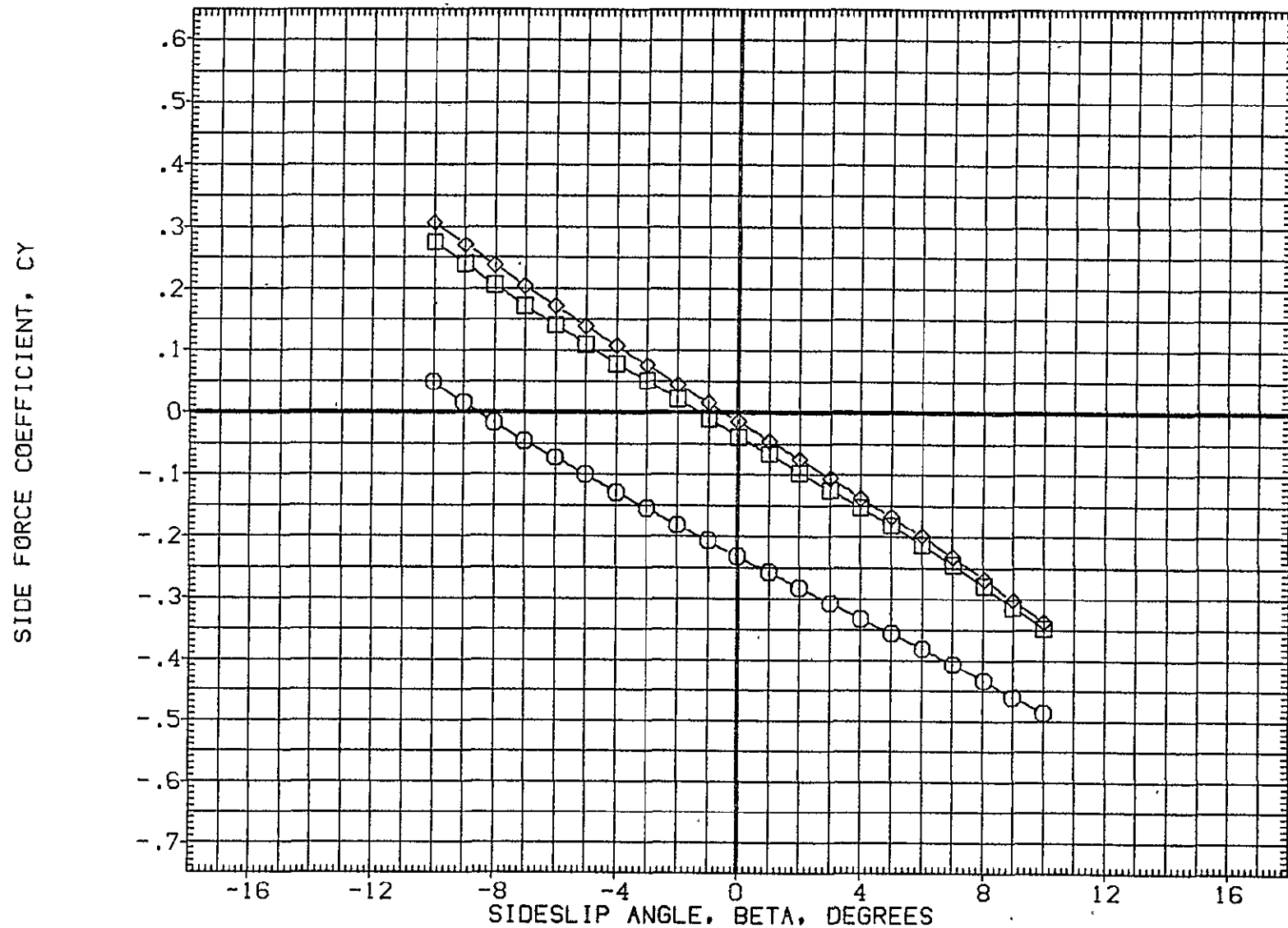


EFFECT OF SRB ENGINE PLUME ON O/ET AERO CHARACT.

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0016)	○ AEDC VA422 1AG1 01ET1S1 0/ET (RIGHT SRB SEPRNG)	.100	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL010)	□ AEDC VA-422(1A-57), 0RB/ET W/RIGHT SRB	.100	.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED 0RB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

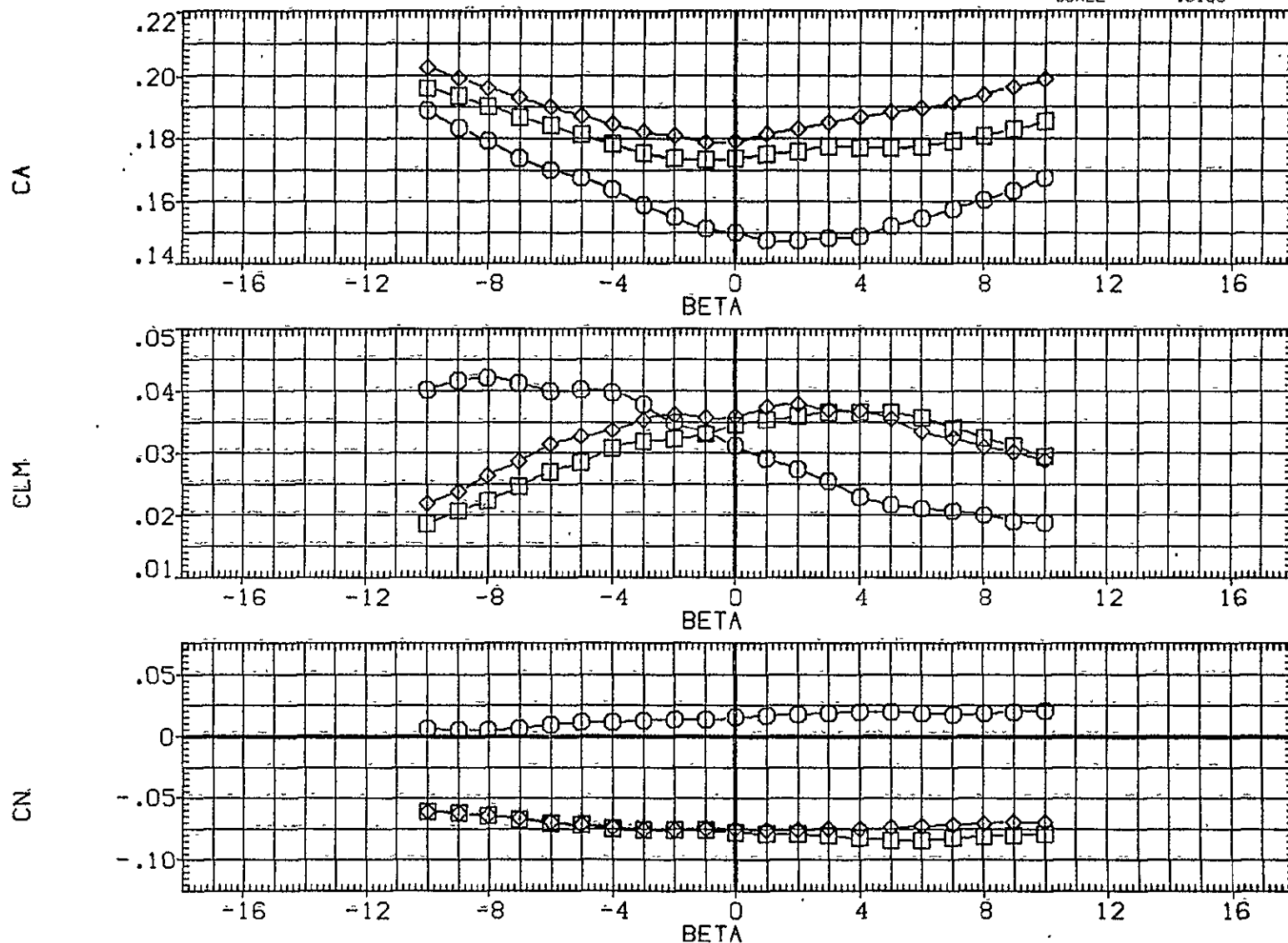


EFFECT OF SRB ENGINE PLUME ON 0/ET AERO CHARACT.

(A)MACH = 4.50

C4

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0016)	AEDC VA422 IAG1 O1ET1S1 O/ET (RIGHT SRB SEPRNG)	.100	1500.000	1.760	.000	SREF	2690.0000	50.FT.
(ATLO10)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.100	.000	1.760	.000	LREF	1290.3000	IN.
(ATLO02)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



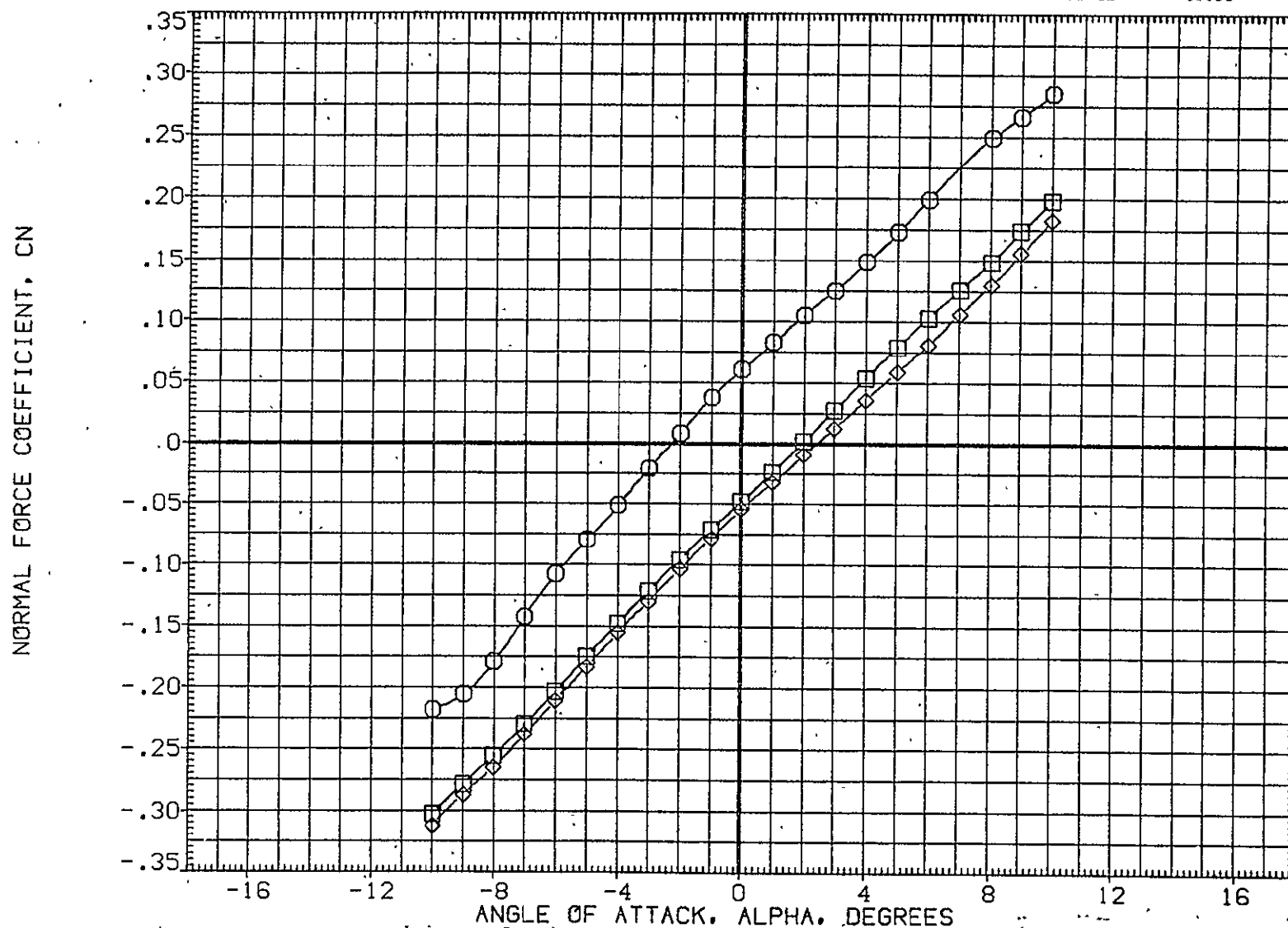
EFFECT OF SRB ENGINE PLUME ON O/ET AERO CHARACT.

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(AT0017)	AEDC VA422 1A61 01ET1S1 O/ET (RGHT SRB SEPRNG)
(ATL017)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET

SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
.200	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
.200	.000	1.760	.000	LREF 1290.3000 IN.
			.000	BREF 1290.3000 IN.
			.000	XMRP 1052.0000 IN.XT
			.000	YMRP .0000 IN.YT
			.000	ZMRP 447.0000 IN.ZT
			.000	SCALE .0100

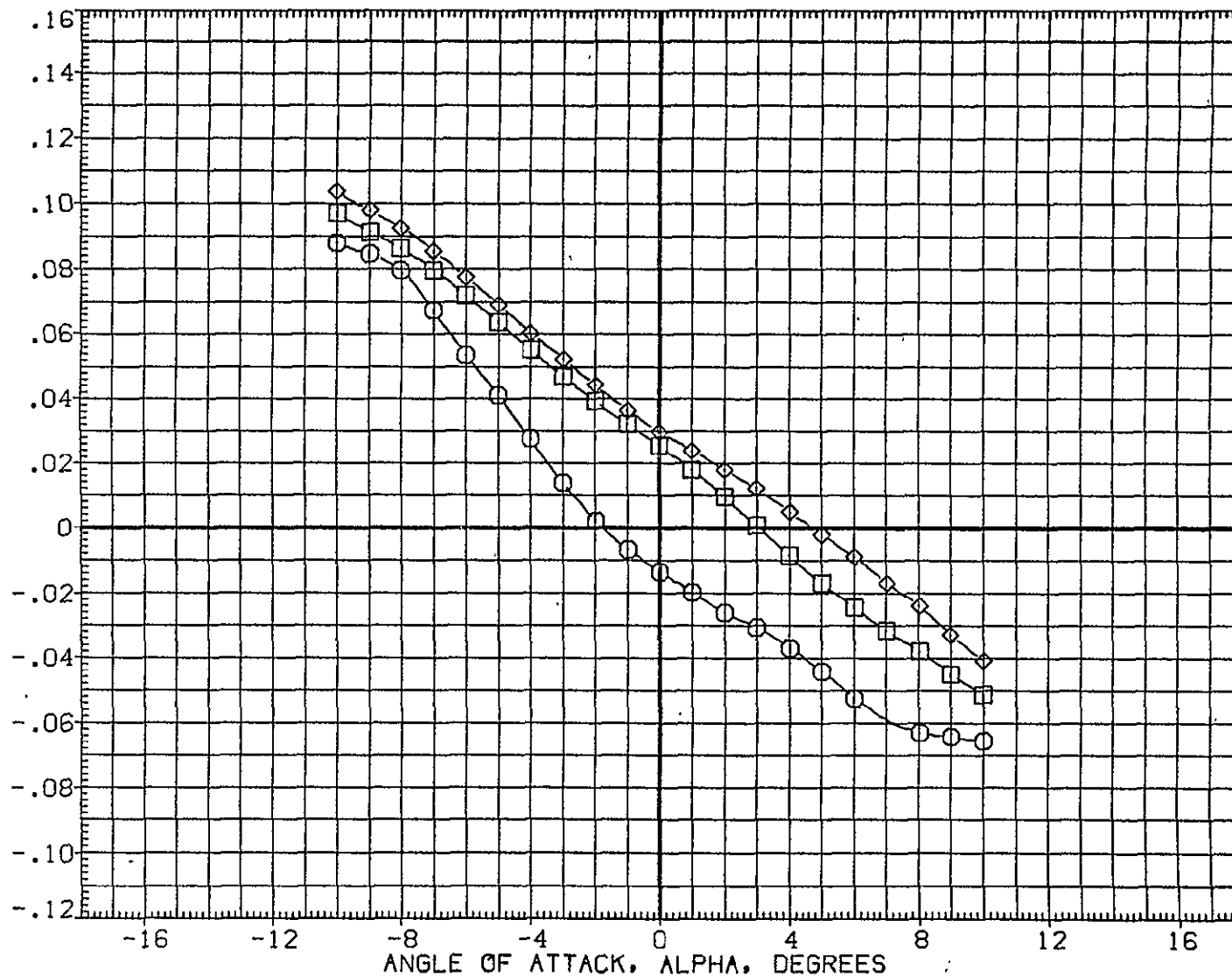


EFFECT OF SRB ENGINE PLUME ON O/ET AERO CHARACT.

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(AT0017)	AEDC VA422 1A61 O/ETIS1 O/ET (RGHT SRB SEPRNG)	.200	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATL017)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.200	.000	1.760	.000	LREF	1290.3000 IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

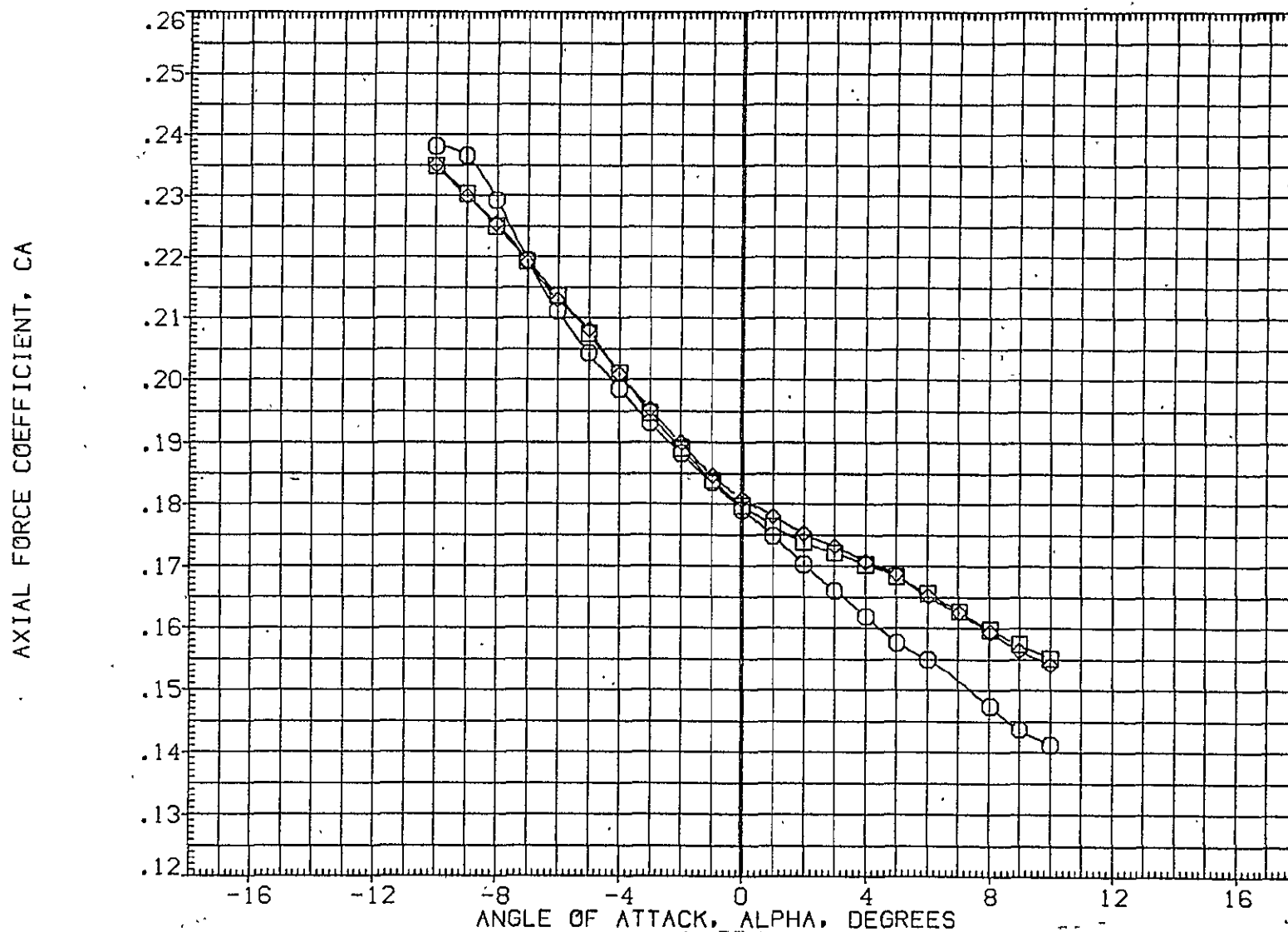
PITCHING MOMENT COEFFICIENT, CLM



EFFECT OF SRB ENGINE PLUME ON O/ET AERO CHARACT.

(A)MACH = 4.50

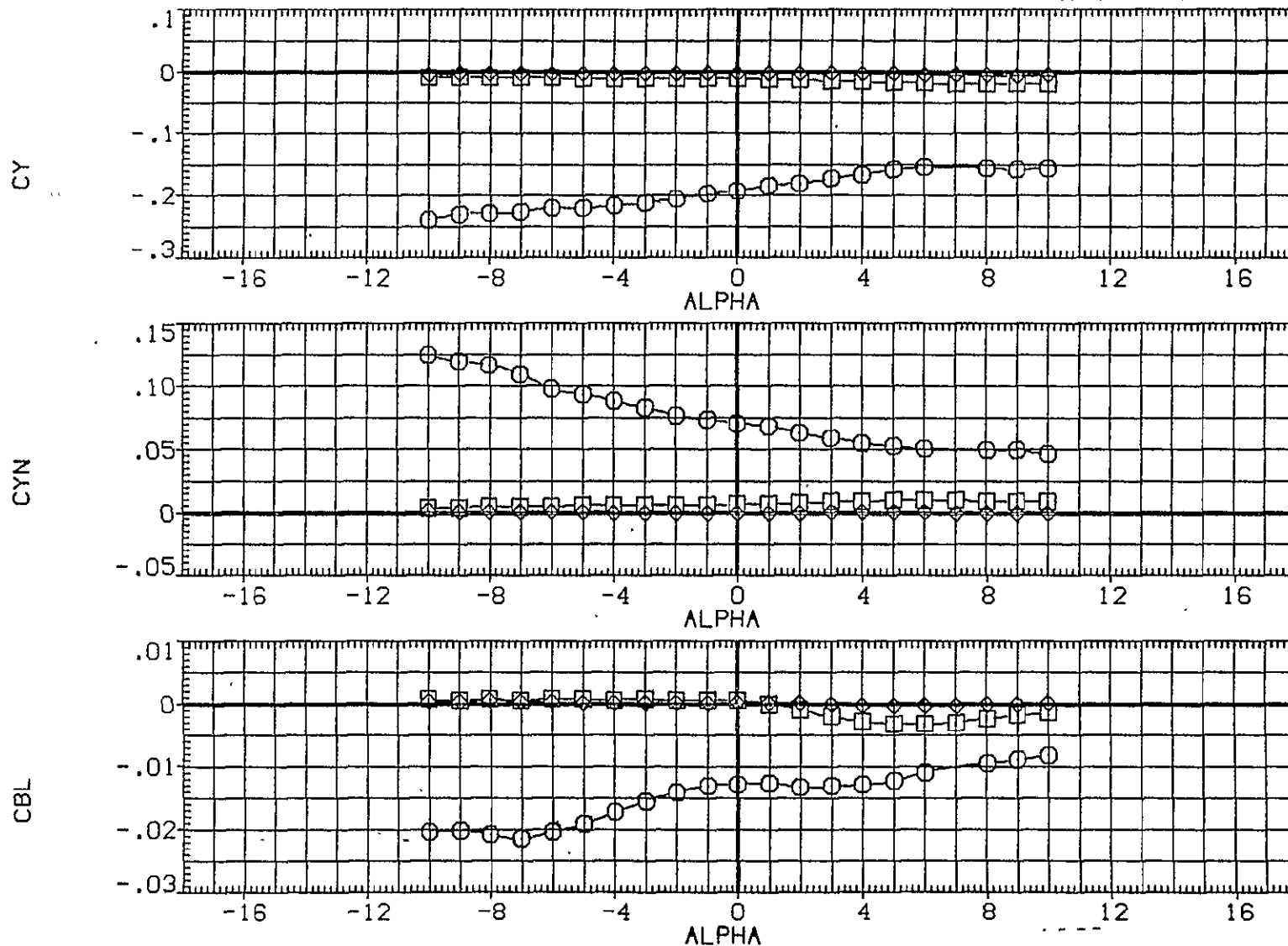
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(AT0017)	○ AEDC VA422(1A61) O/ET (RGHT SRB SEPRNG)	.200	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATL017)	□ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.200	.000	1.760	.000	LREF 1290.3000 IN.
(ATL001)	◇ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100



EFFECT OF SRB ENGINE PLUME ON O/ET AERO CHARACT.

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(A10017)	AEBC VA422 (A6) 0/ET (RIGHT SRB SEPRNG)	.200	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATL017)	AEBC VA-422(1A-57), 0RB/ET W/RIGHT SRB	.200	.000	1.760	.000	LREF	1290.3000 IN.
(ATL001)	AEBC VA-422(1A-57), ISOLATED 0RB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100



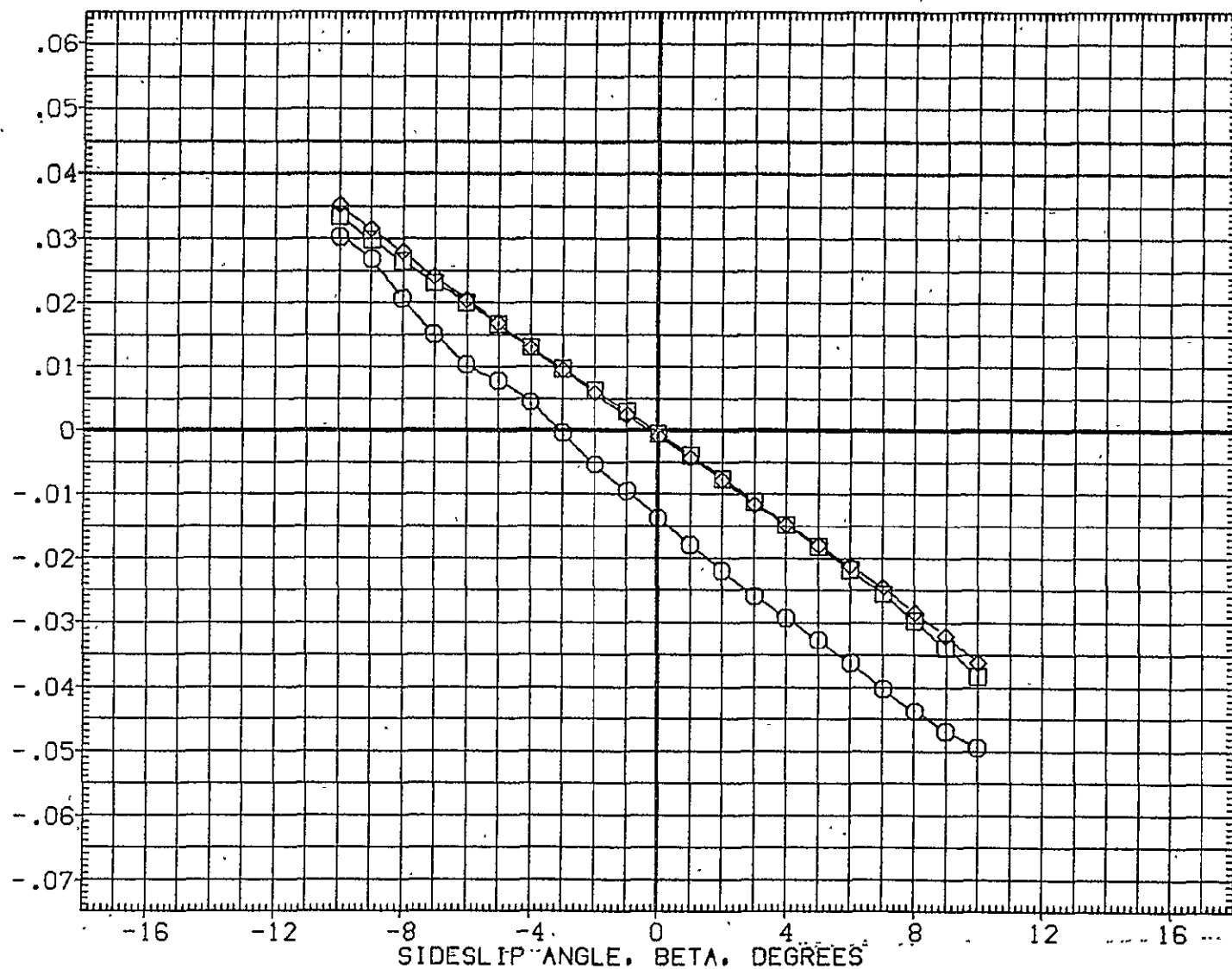
EFFECT OF SRB ENGINE PLUME ON O/ET AERO CHARACT.

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(R10018)	AEDC VA422 1A61 01ET1S1 0/ET (RGHT SRB SEPRNG)	.200	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATLO18)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.200	.000	1.760	.000	LREF	1290.3000	IN.
(ATLO02)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

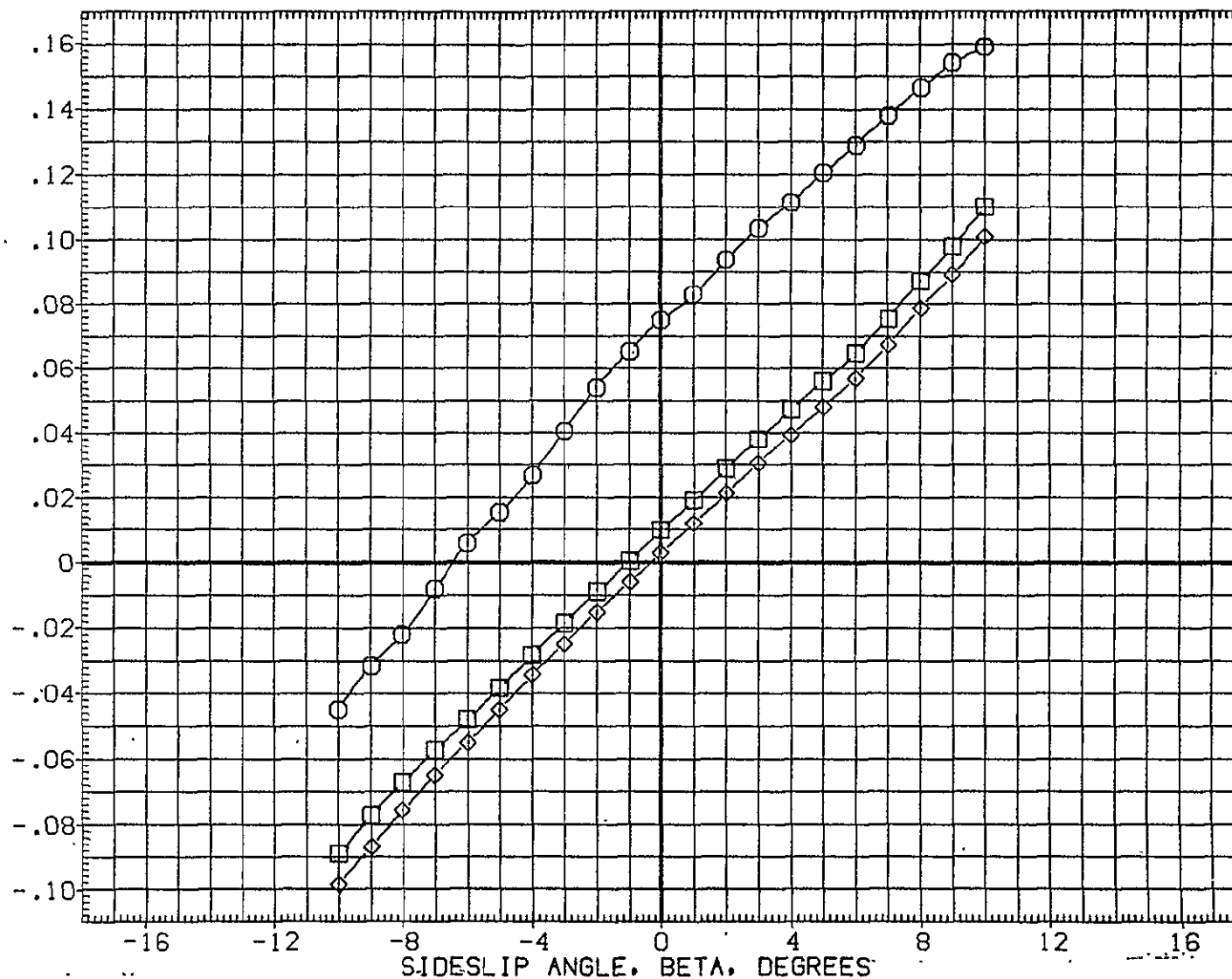


EFFECT OF SRB ENGINE PLUME ON O/ET AERO CHARACT.

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RT0018)	AEBC VA422 1AG1 01ET1S1 0/ET (RGHT SRB SEPRNG)	.200	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATL018)	AEBC VA-422(1A-57), ORB/ET W/RIGHT SRB	.200	.000	1.760	.000	LREF	1290.3000 IN.
(ATL002)	AEBC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)

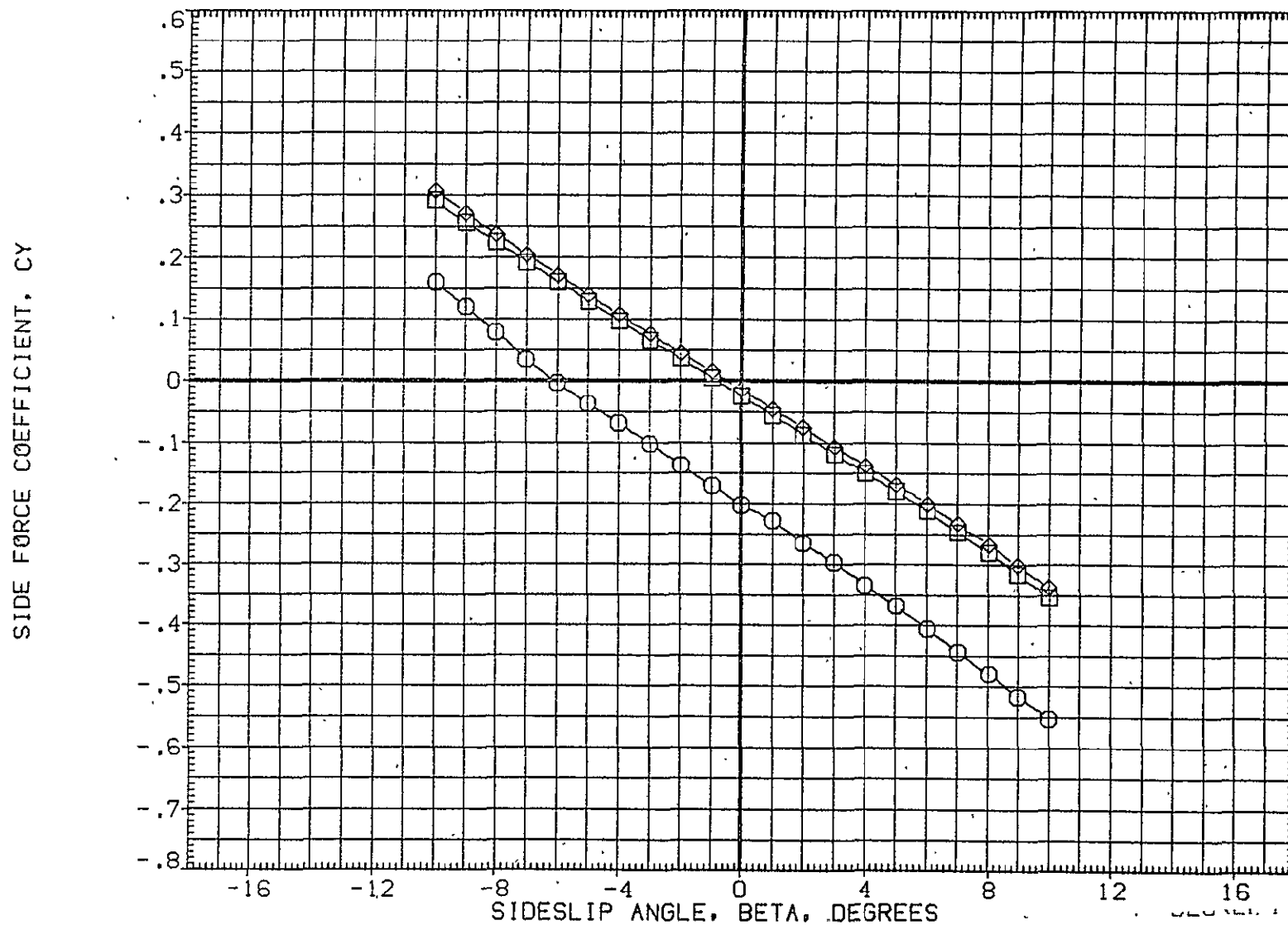


EFFECT OF SRB ENGINE PLEUME ON O/ET AERO CHARACT.

(A)MACH = 4.50

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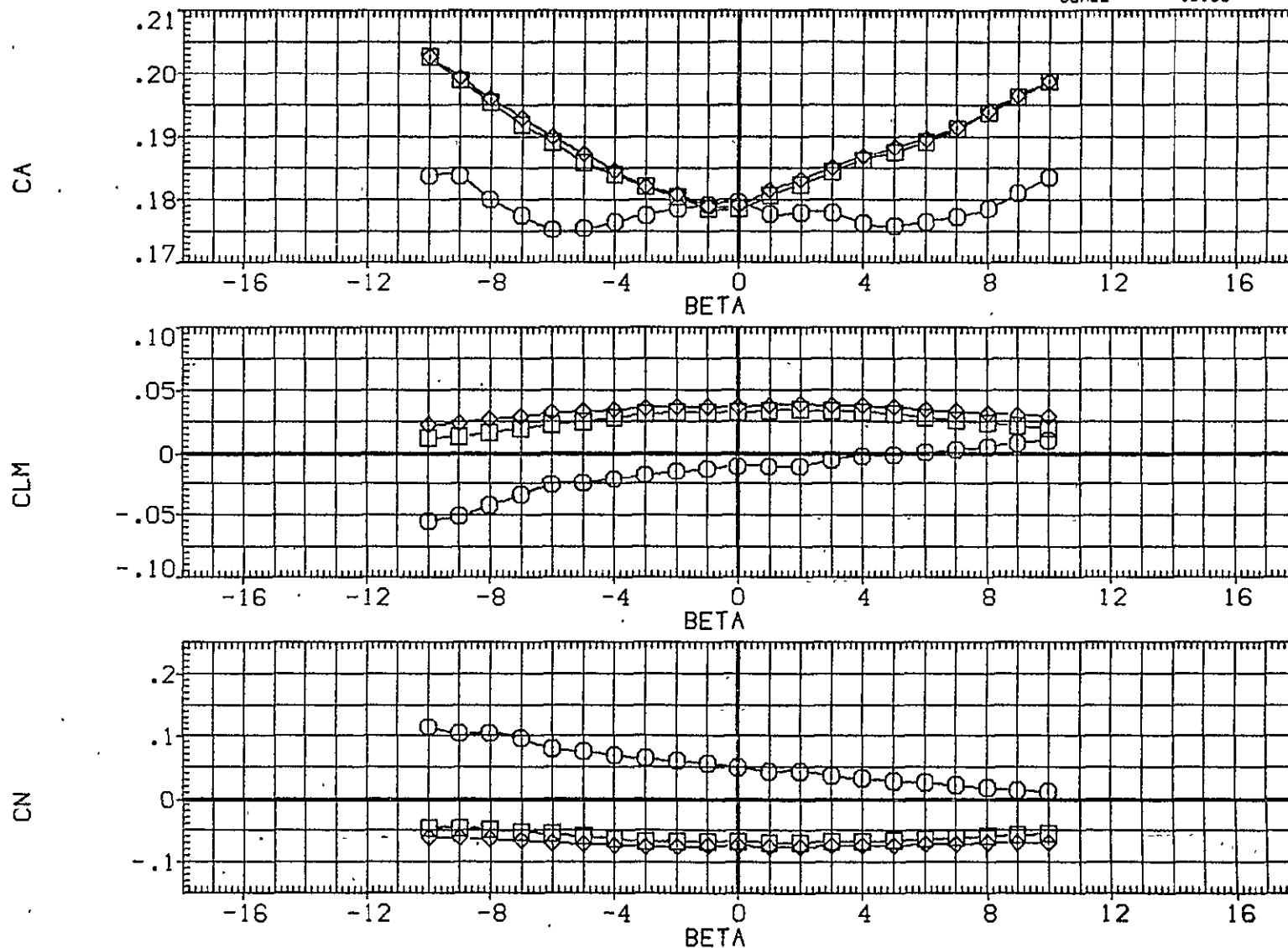
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RT0018)	AEBC VA422 (A61 01ET1S1) O/ET (RGHT SRB SEPRNG)	.200	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATL018)	AEBC VA-422(1A-57), ORB/ET W/RIGHT SRB	.200	.000	1.760	.000	LREF	1290.3000 IN.
(ATL002)	AEBC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMPP	1052.0000 IN.XT
						YMPP	.0000 IN.YT
						ZMPP	447.0000 IN.ZT
						SCALE	.0100



EFFECT OF SRB ENGINE PLUME ON O/ET AERO CHARACT.

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RT0018)	□ AEDC VA422 1A61 01ET1S1 0/ET (RGHT SRB SEPRNG)	.200	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATL018)	□ AEDC VA-422(1A-57), 0RB/ET W/RIGHT SRB	.200	.000	1.760	.000	LREF	1290.3000 IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED 0RB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

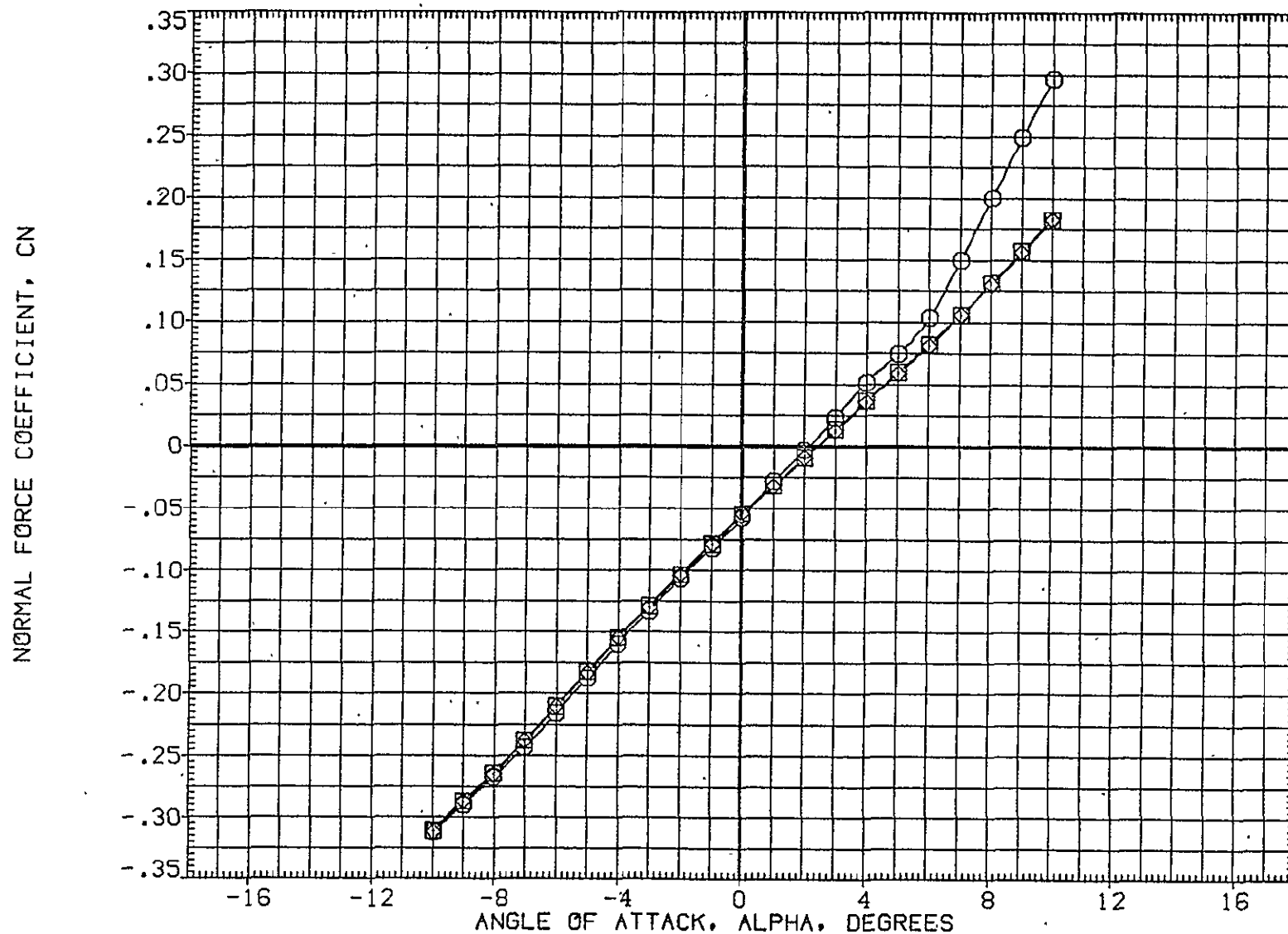


EFFECT OF SRB ENGINE PLUME ON O/ET AERO CHARACT.

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(RT0020)	AEDC VA422 1A61 01ET1S1 O/ET (RGHT SRB SEPRTNG)	.300	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATL025)	AEDC VA-422(1A-57). ORB/ET W/RIGHT SRB	.300	.000	1.760	.000	LREF	1290.3000 IN.
(ATL001)	AEDC VA-422(1A-57). ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

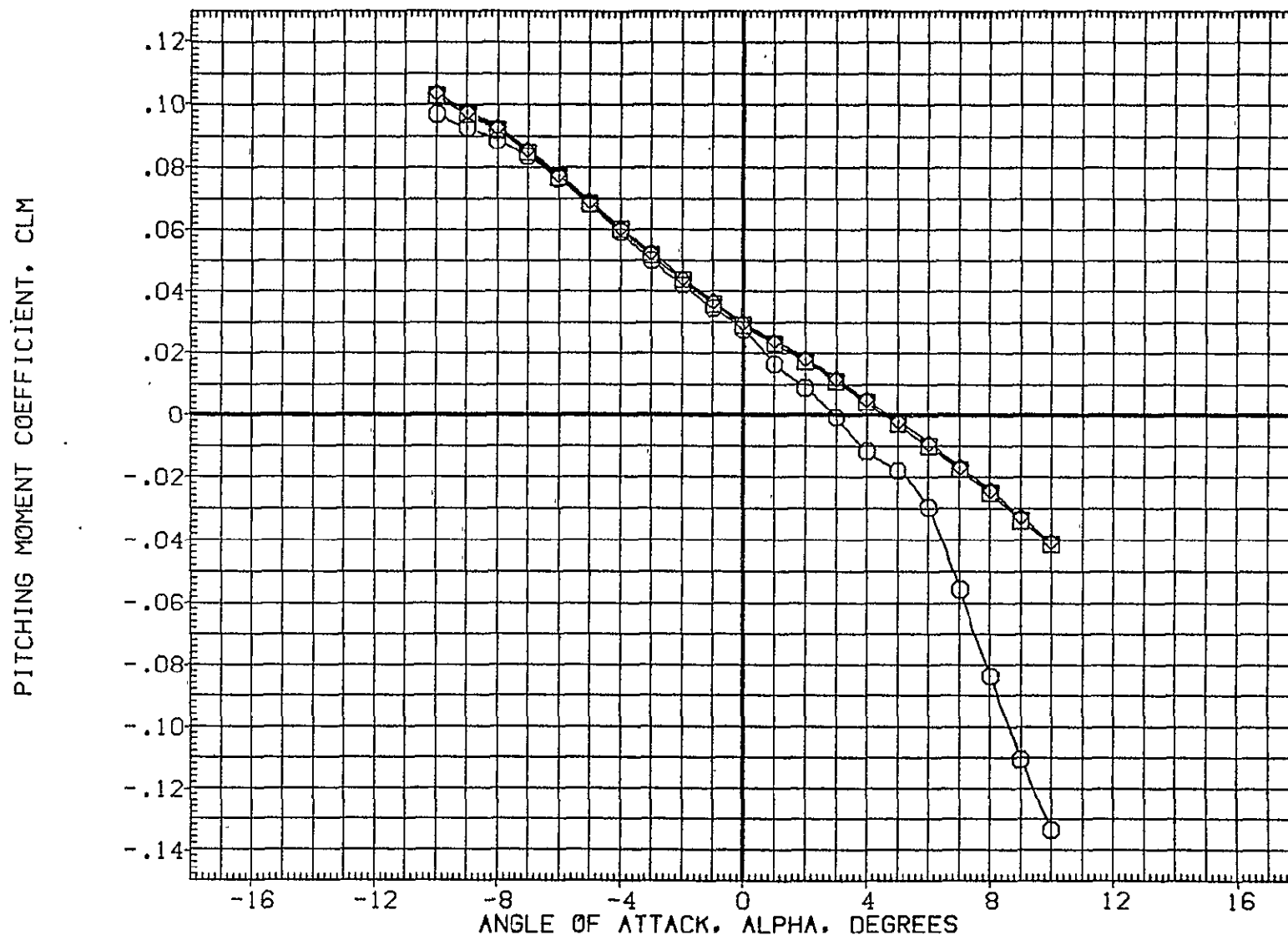


EFFECT OF SRB ENGINE PLUME ON O/ET AERO CHARACT.

(A)MACH = 4.50

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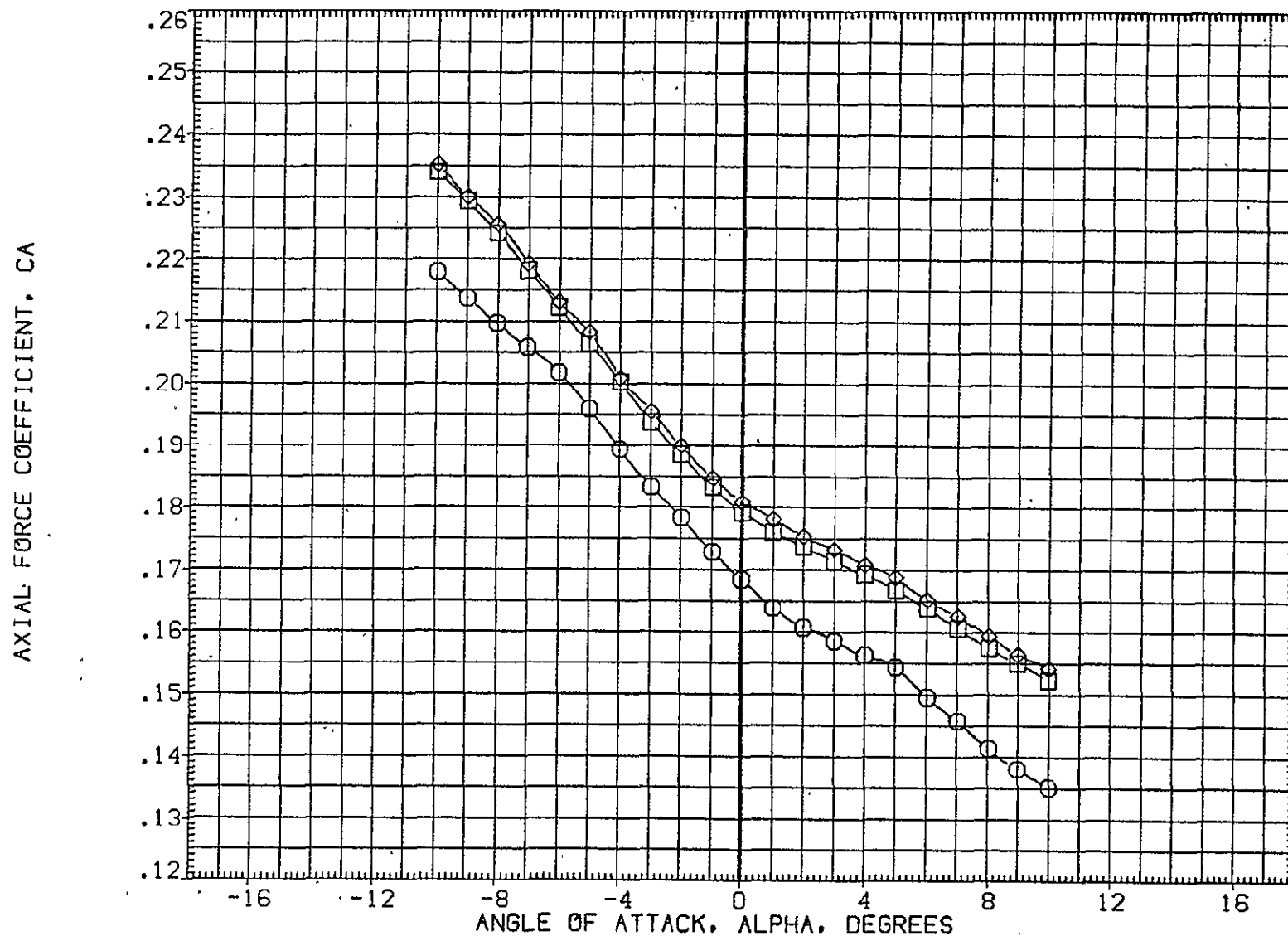
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(RTQ020)	AEDC VA422 1A61 01ET1S1 O/ET (RIGHT SRB SEPRNG)	.300	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATLO25)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.300	.000	1.760	.000	LREF 1290.3000 IN.
(ATLO01)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100



EFFECT OF SRB ENGINE PLUME ON O/ET AERO CHARACT.

(A)MACH = 4.50

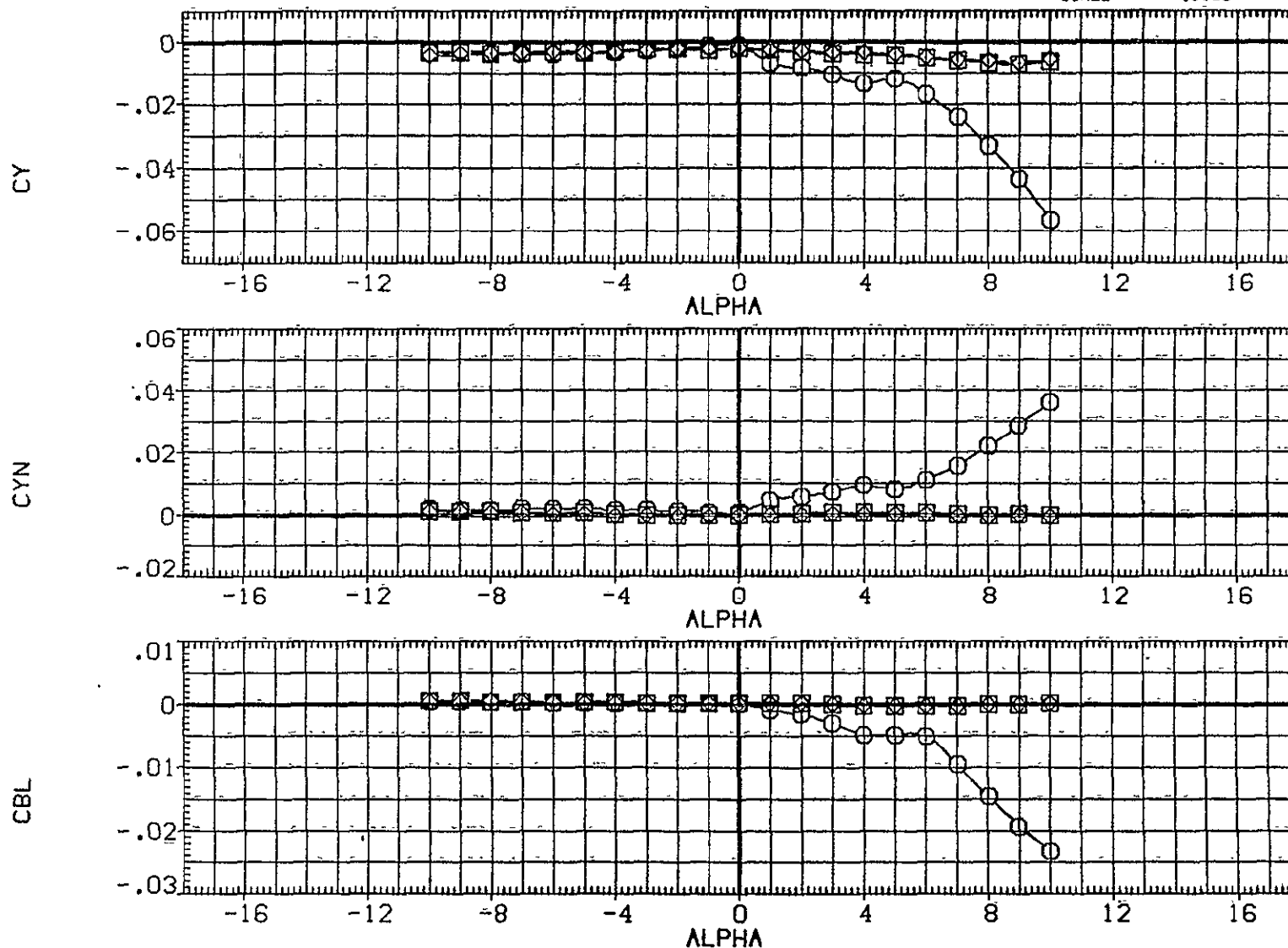
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0020)	○ AEDC VA422 (A6) 0/ET (RIGHT SRB SEPRNG)	.300	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL025)	□ AEDC VA-422(IA-57), ORB/ET W/RIGHT SRB	.300	.000	1.760	.000	LREF	1290.3000	IN.
(ATL001)	◇ AEDC VA-422(IA-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF SRB ENGINE PLUME ON O/ET AERO CHARACT.

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0020)	AEDC VA422 1A61 01ETIS1 O/ET (RGHT SRB SEPRNG)	.300	1500.000	1.760	.000	SREF	2690.0000	SG.FT.
(ATL025)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.300	.000	1.760	.000	LREF	1290.3000	IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

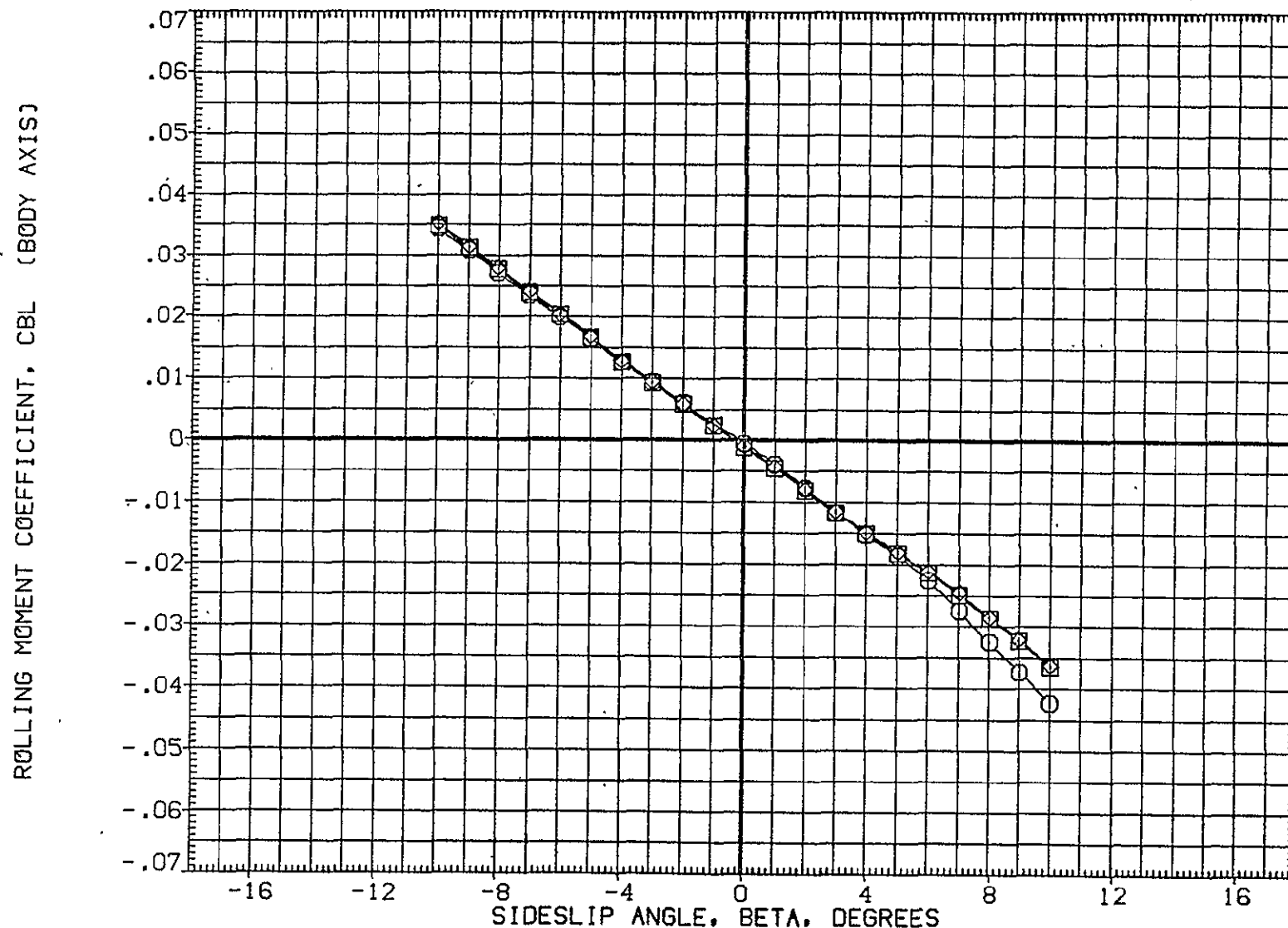


EFFECT OF SRB ENGINE PLUME ON O/ET AERO CHARACT.

(A)MACH = 4.50

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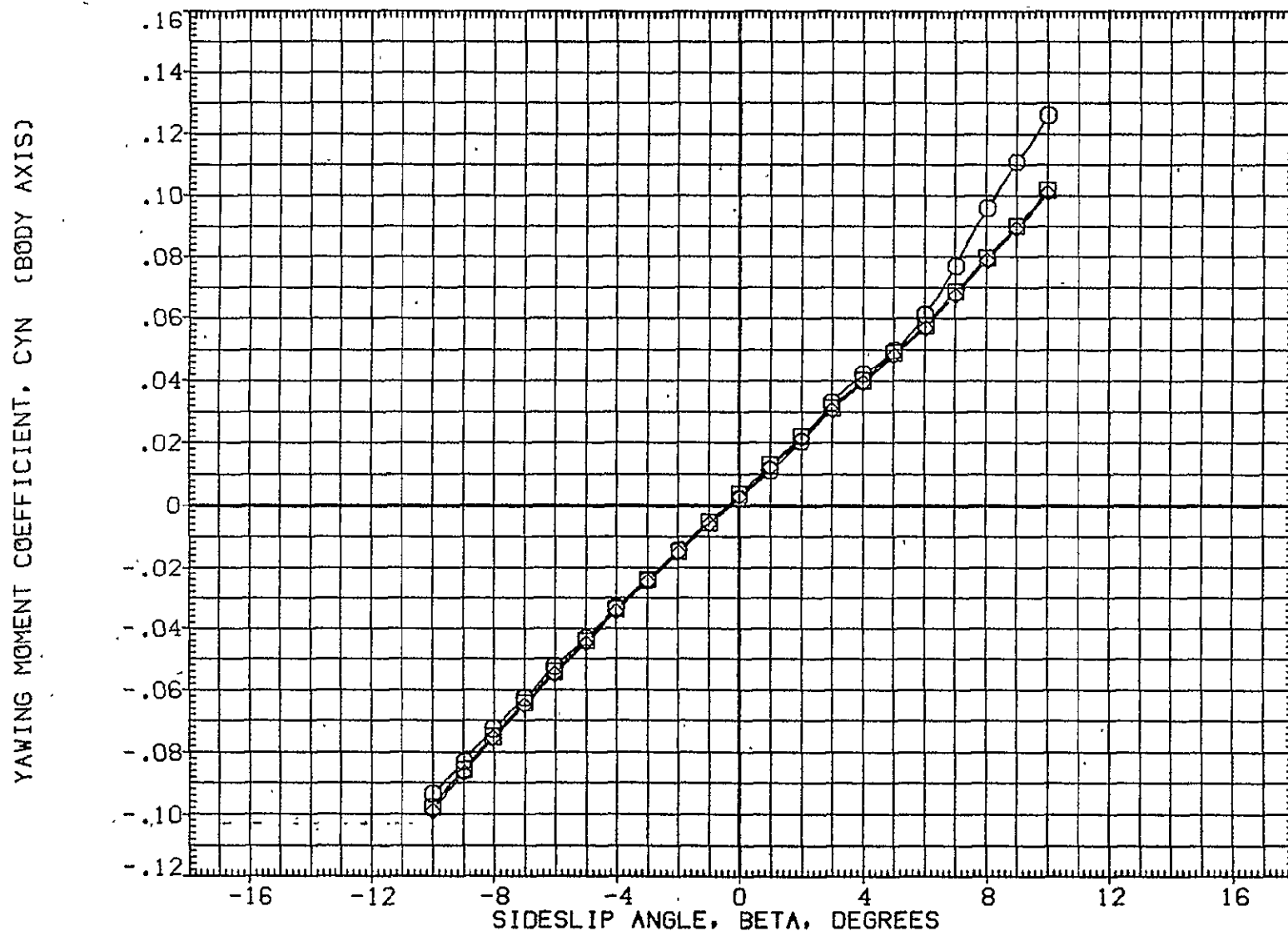
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(AT0021)	□ AEDC VA422 (A61 01ET1S1 0/ET (RGHT SRB SEPRNG))	.300	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ATL026)	□ AEDC VA-422(1A-57), 0RB/ET W/RIGHT SRB	.300	.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	◇ AEDC VA-422(1A-57), ISOLATED 0RB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF SRB ENGINE PLUME ON O/ET AERO CHARACT.

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(AT0021)	AEDC VA422 1A61 01ET1S1 0/ET (RGHT SRB SEPRNG)	.300	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(ATL026)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.300	.000	1.760	.000	LREF 1290.3000 IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF 1290.3000 IN.
						XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100

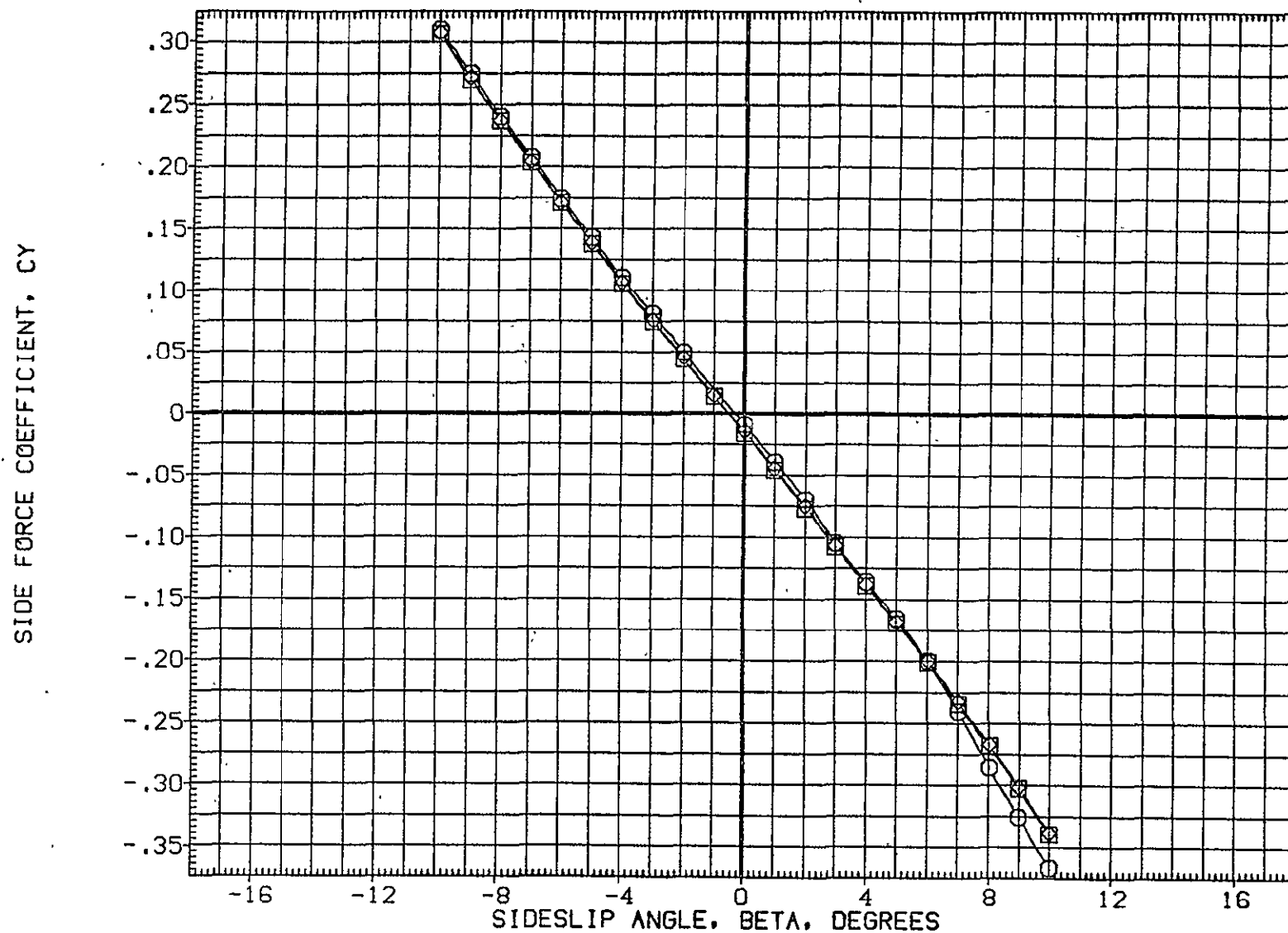


EFFECT OF SRB ENGINE PLUME ON O/ET AERO CHARACT.

(A)MACH = 4.50

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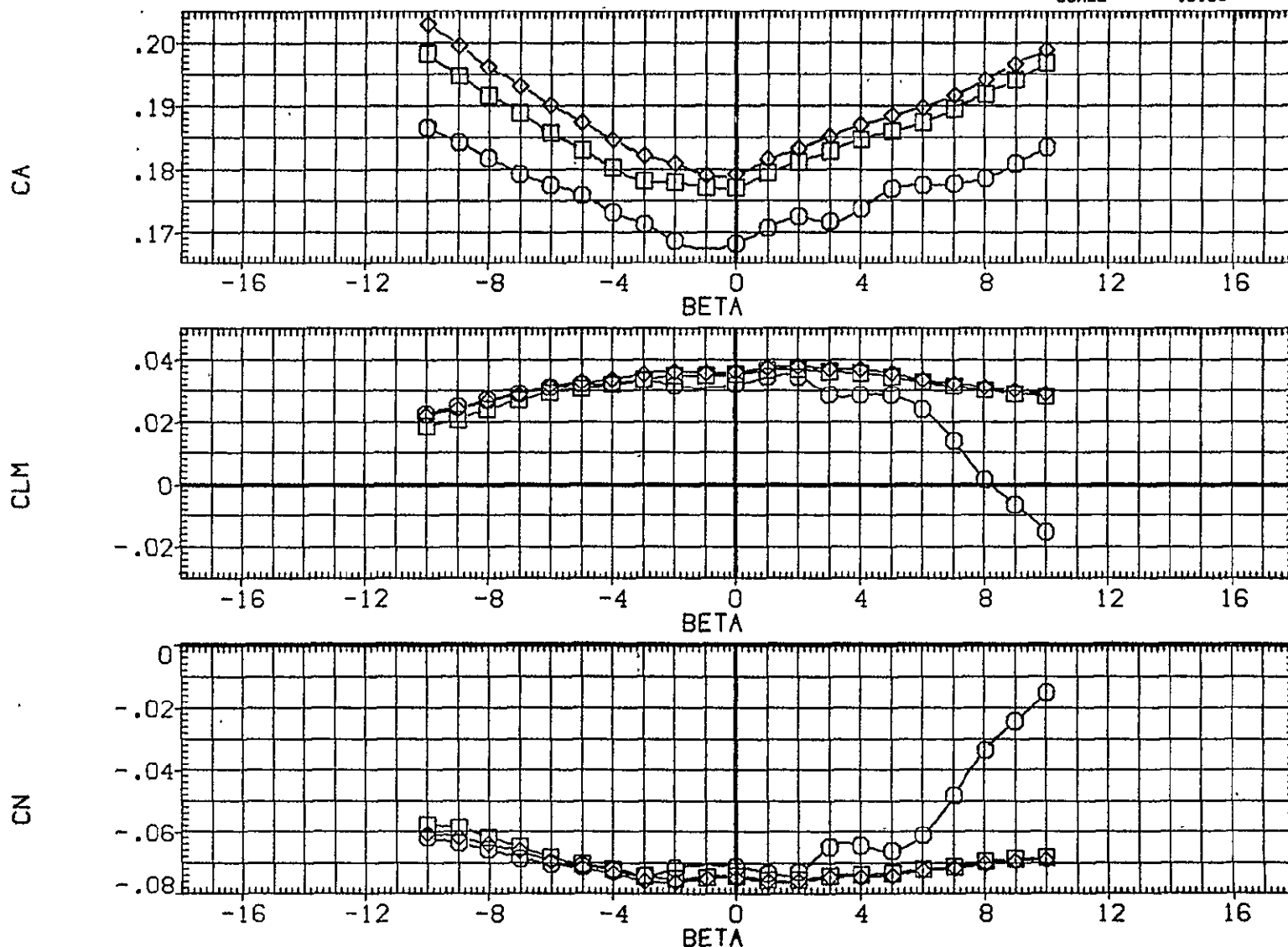
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(AT0021)	AEDC VA422 1A61 01ET151 0/ET (RGHT SRB SEPRNG)	.300	1500.000	1.760	.000	SREF	2690.0000	50.FT.
(ATL026)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.300	.000	1.760	.000	LREF	1290.3000	IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000	IN.
						XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF SRB ENGINE PLUME ON O/ET AERO CHARACT.

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(AT0021)	AEDC VA422 1A61 01ET1S1 0/ET (RGHT SRB SEPRNG)	.300	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ATLO26)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.300	.000	1.760	.000	LREF	1290.3000 IN.
(ATLO02)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	BREF	1290.3000 IN.
						XMRP	1052.0000 IN.XY
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

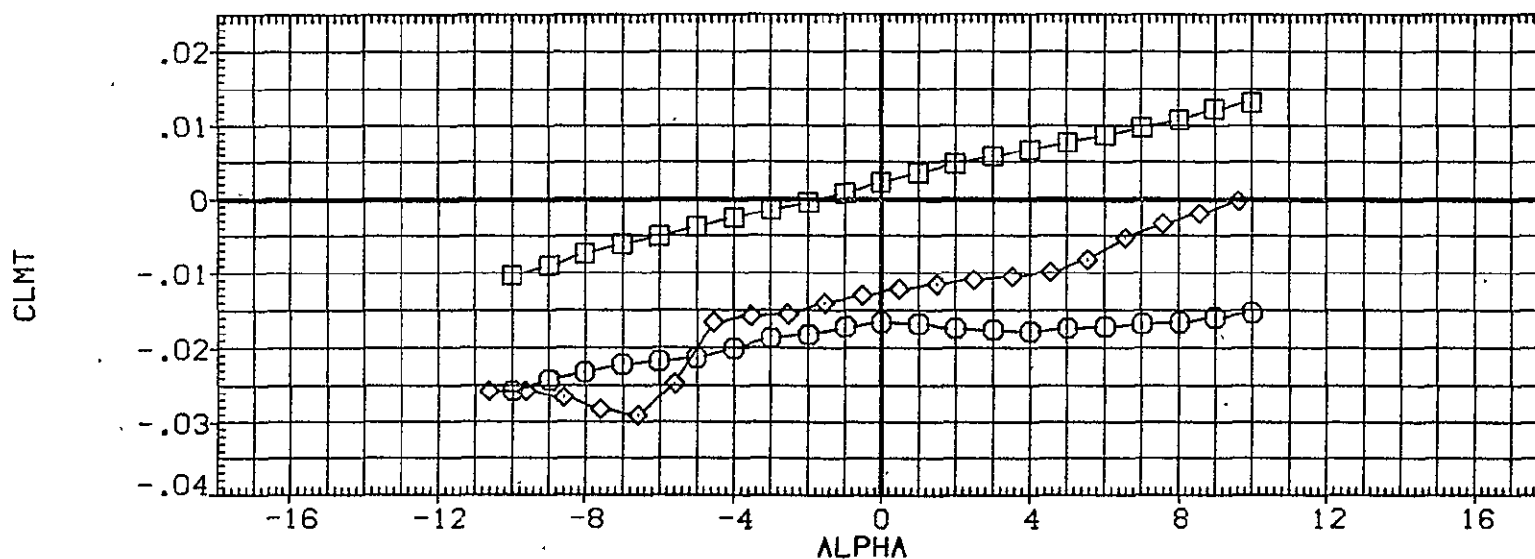
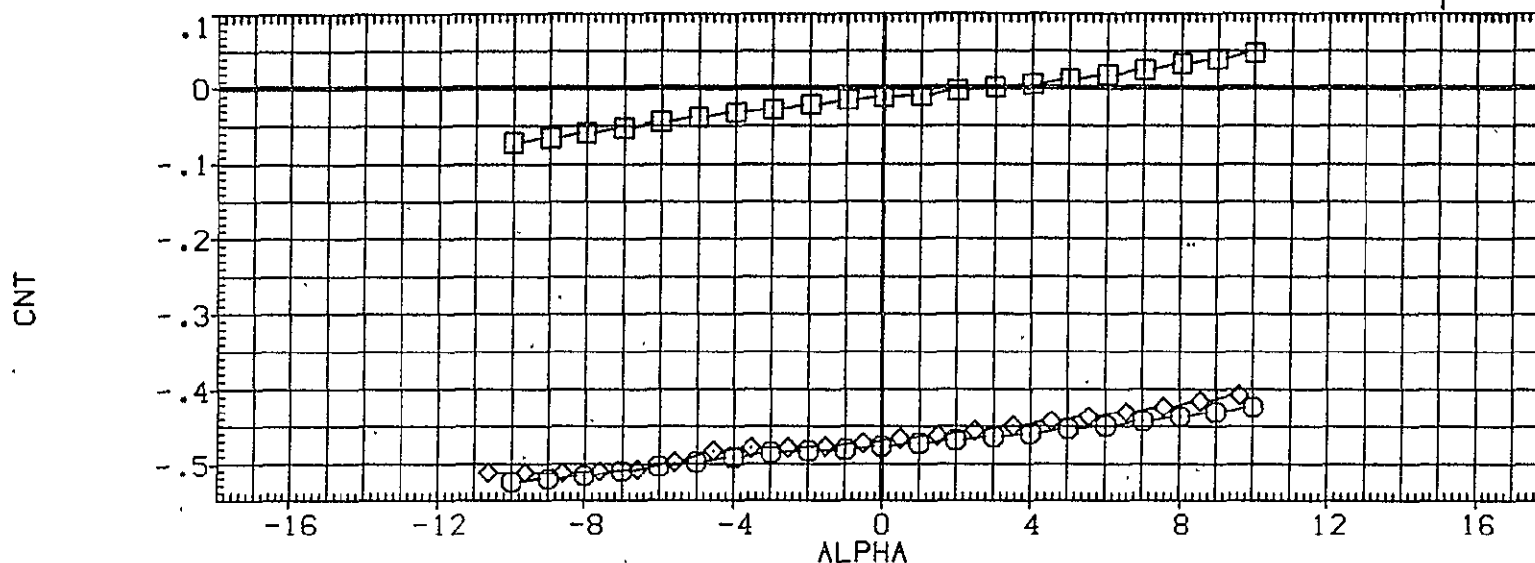


EFFECT OF SRB ENGINE PLUME ON O/ET AERO CHARACT.

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(STQ015)	□ AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTING)	.100	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(BTL009)	○ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.100	.000	1.760	.000	LREF 1290.3000 IN.
(ATQ001)	◇ AEDC VA422 1A61 S RIGHT SRB	.100	1500.000	1.760	.000	BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100

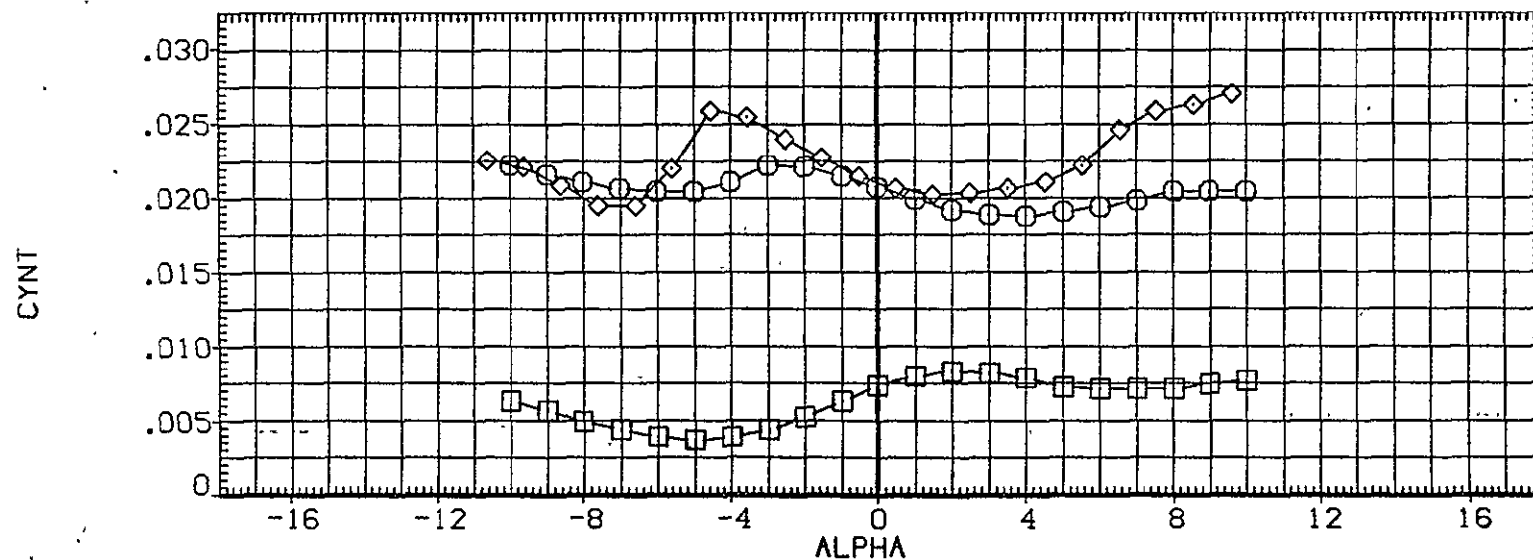
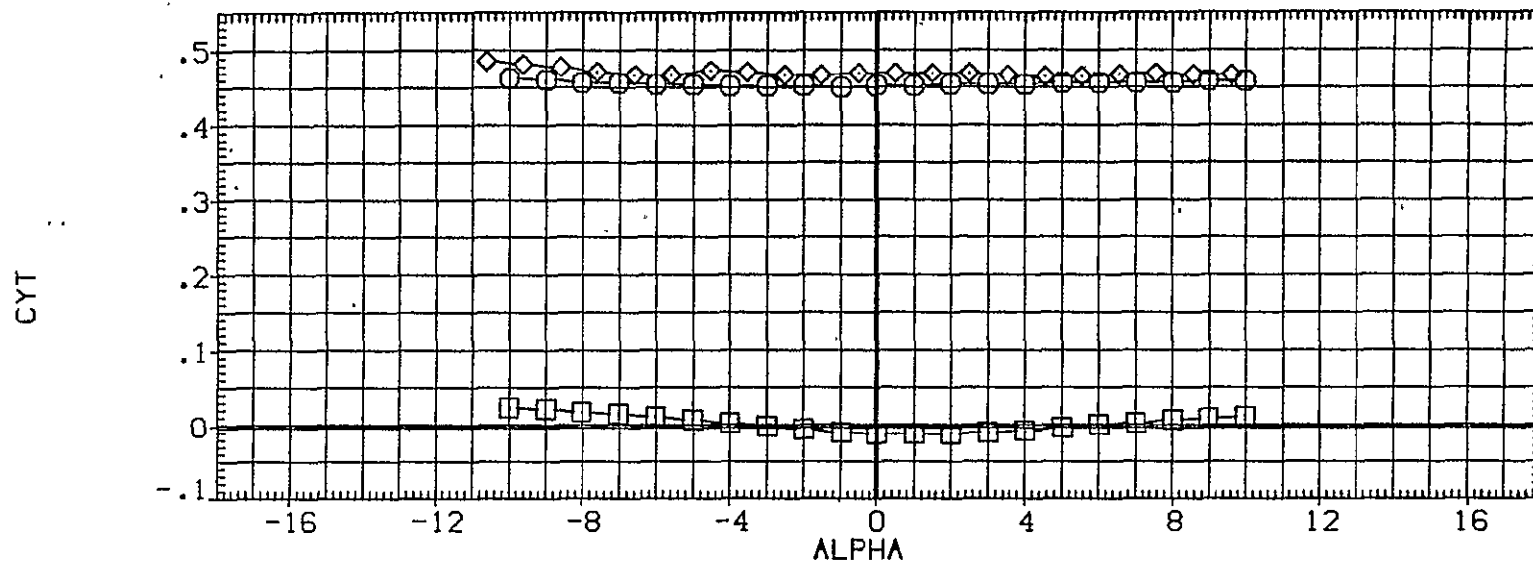


EFFECT OF SRB ENGINE PLUME ON SRB AERO CHARACT.

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(ST0015)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)	.100	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(BTL009)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.100	.000	1.760	.000	LREF 1290.3000 IN.
(ATQ001)	AEDC VA422 1A61 S RIGHT SRB	.100	1500.000	1.760	.000	BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100

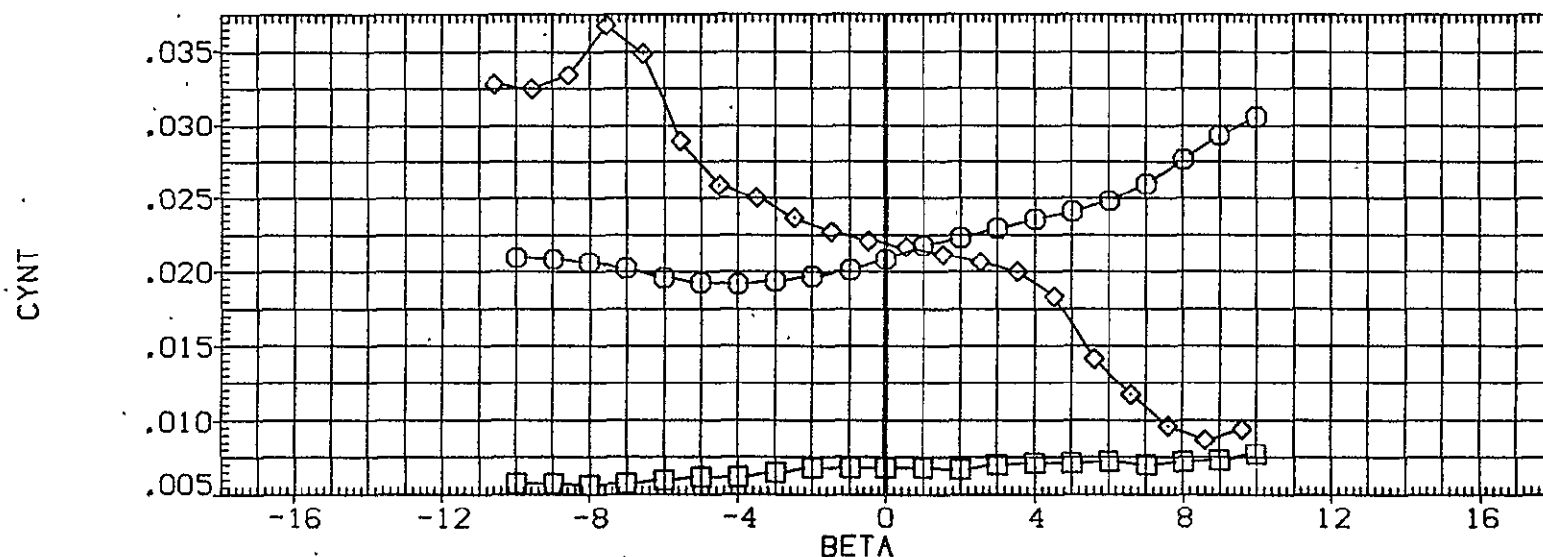
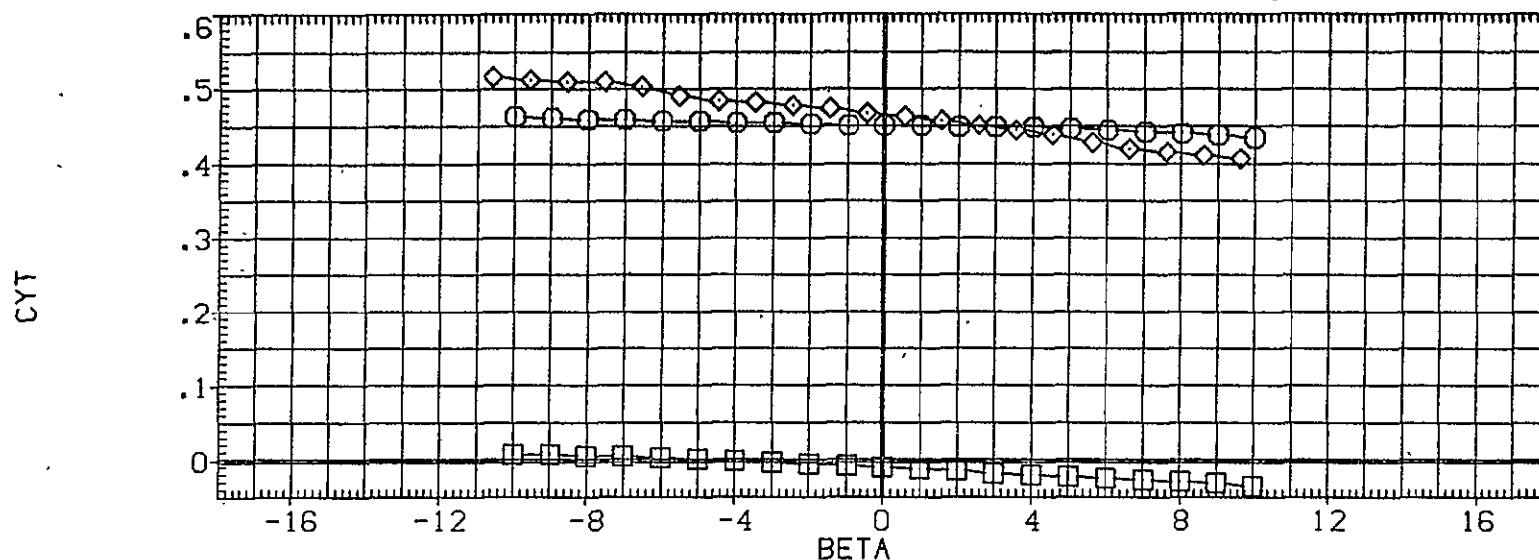


EFFECT OF SRB ENGINE PLUME ON SRB AERO CHARACT.

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(ST0016)	AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRING)	.100	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(BTLO10)	AEDC VA-422(1A-57), 0RB/ET W/RIGHT SRB	.100	.000	1.760	.000	LREF 1290.3000 IN.
(AT0002)	AEDC VA422 1A61 S RIGHT SRB	.100	1500.000	1.760	.000	BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100

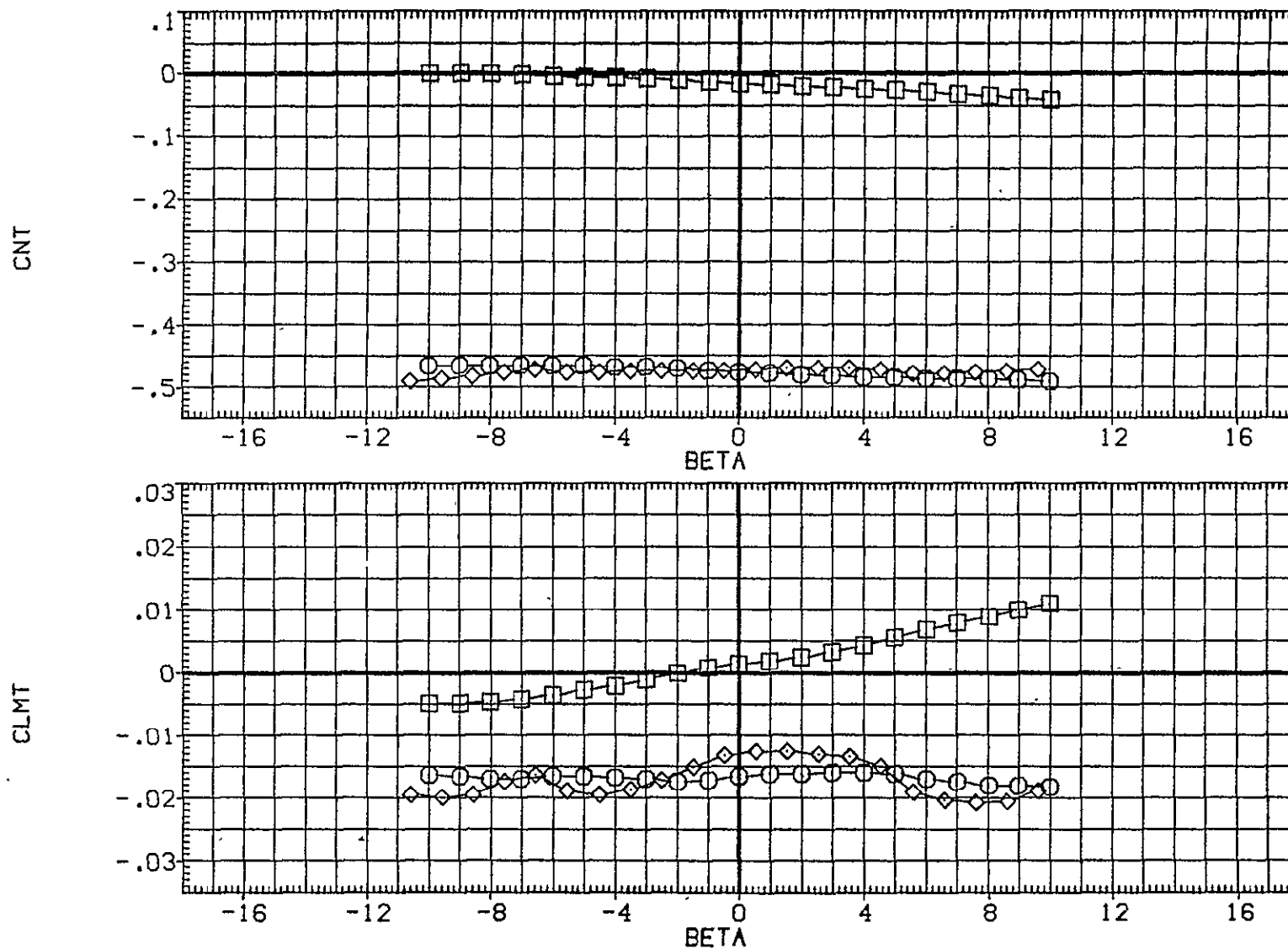


EFFECT OF SRB ENGINE PLUME ON SRB AERO CHARACT.

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(ST0016)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	.100	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(BTLO10)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.100	.000	1.760	.000	LREF 1290.3000 IN.
(ATQ002)	AEDC VA422 1A61 S RIGHT SRB	.100	1500.000	1.760	.000	BREF 1290.3000 IN. XMRP 1167.0000 IN.XS YMRP .0000 IN.YS ZMRP 400.0000 IN.ZS SCALE .0100

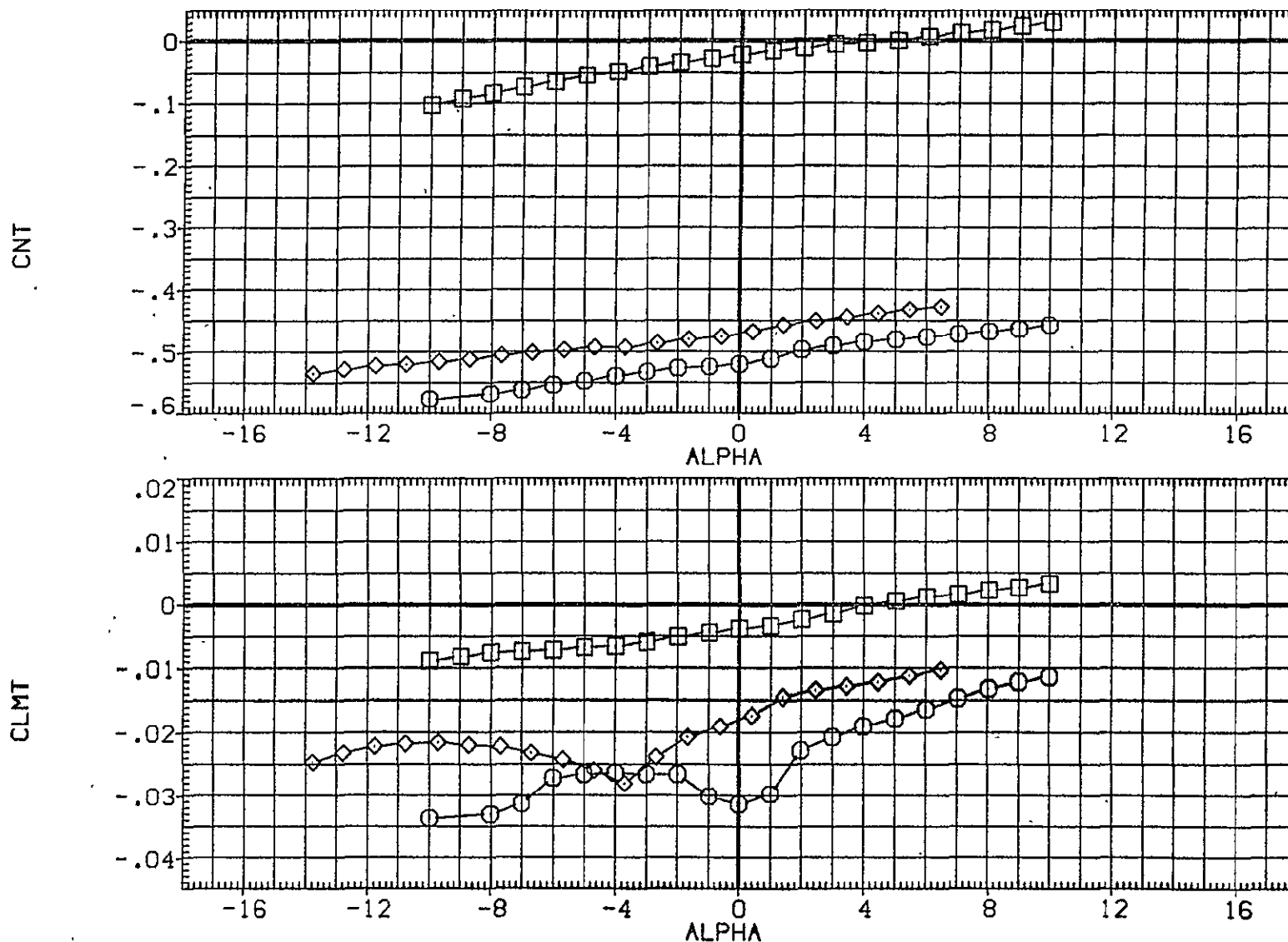


EFFECT OF SRB ENGINE PLUME ON SRB AERO CHARACT.

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(TT0017)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	.200	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(BTLO17)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.200	.000	1.760	.000	LREF	1290.3000 IN.
(AT0003)	AEDC VA422 1A61 S RIGHT SRB	.200	1500.000	1.760	.000	BREF	1290.3000 IN.
						XMRP	1167.0000 IN.XS
						YMRP	.0000 IN.YS
						ZMRP	400.0000 IN.ZS
						SCALE	.0100

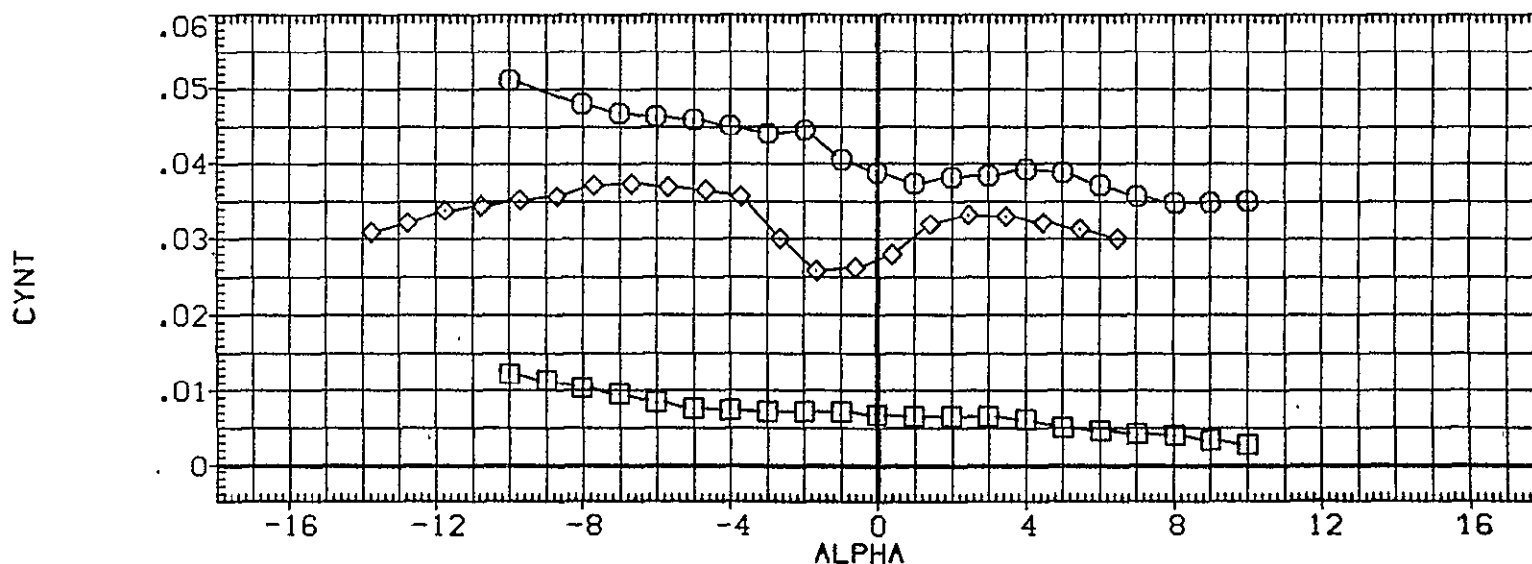
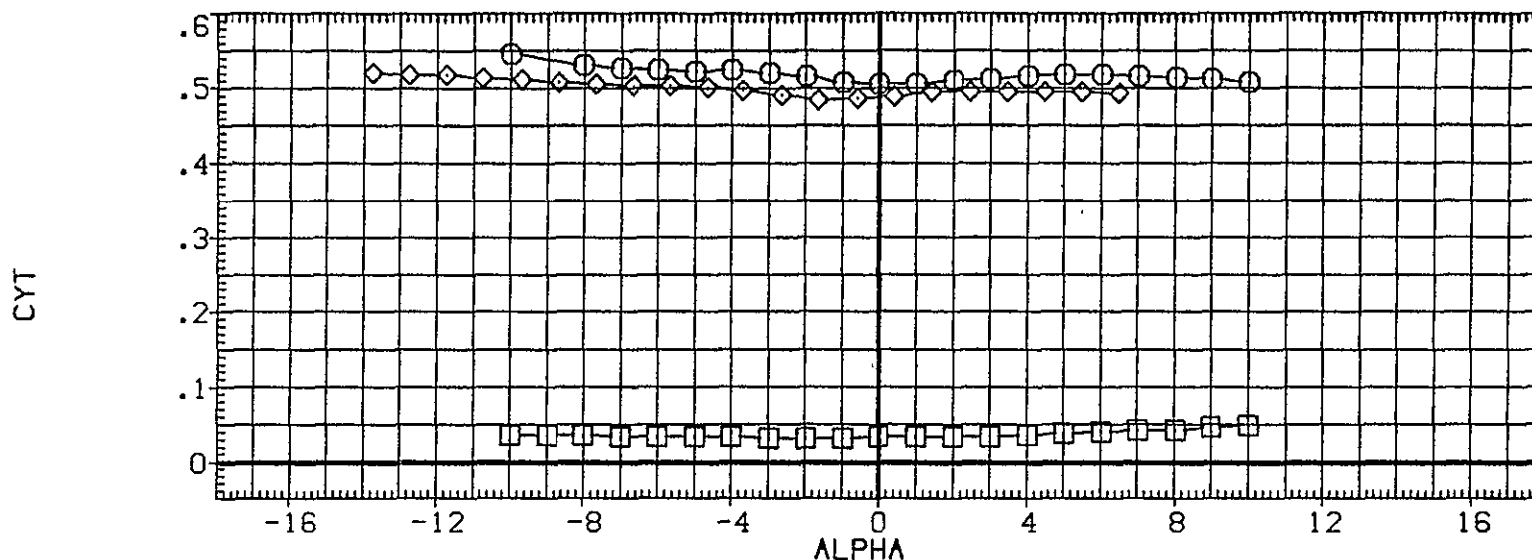


EFFECT OF SRB ENGINE PLUME ON SRB AERO CHARACT.

(A)MACH = 4.50

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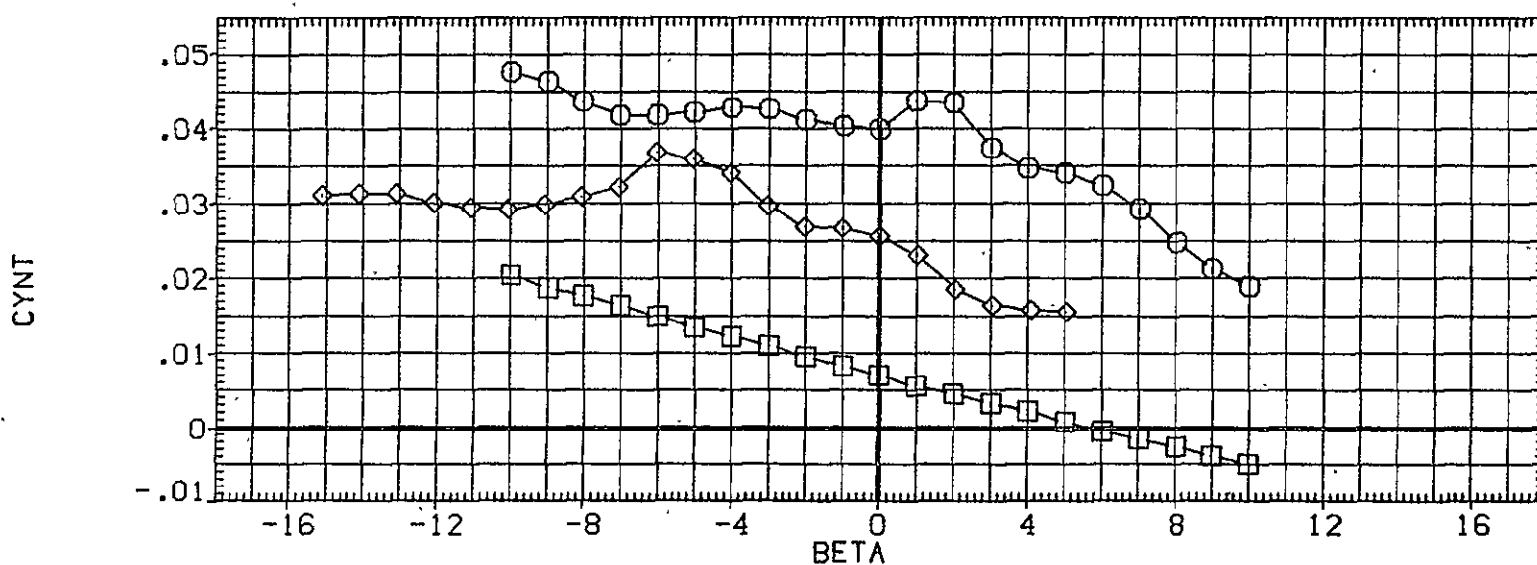
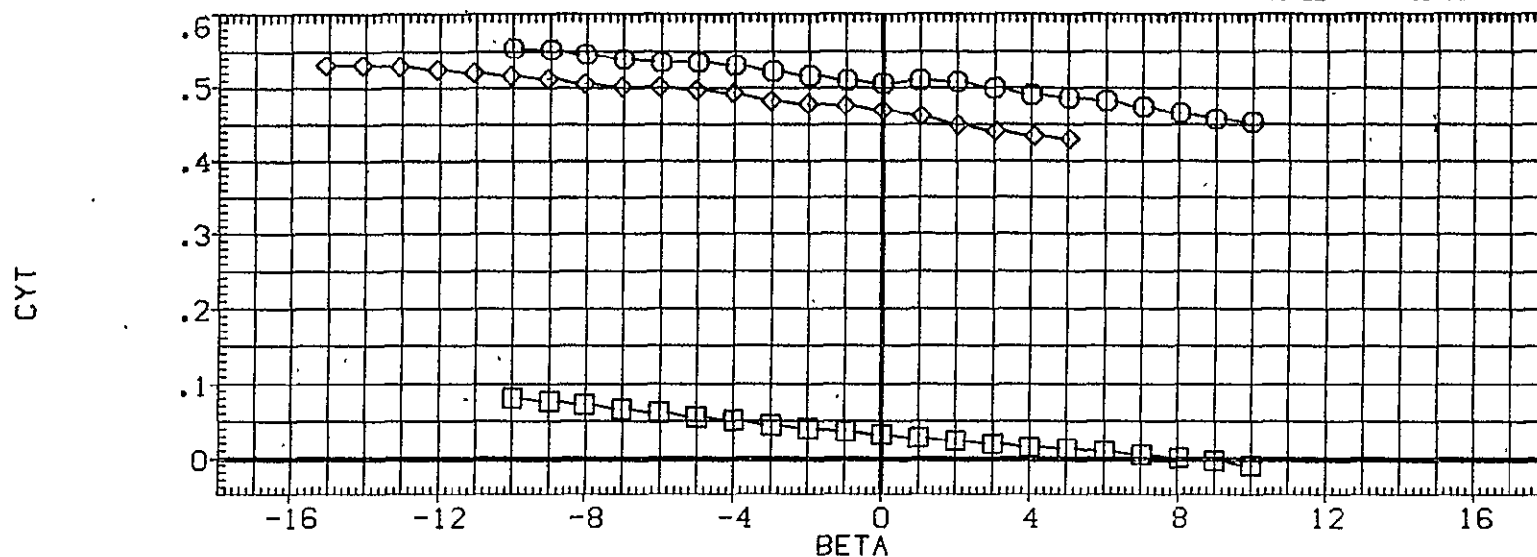
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(TT0017)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	.200	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(BTLO17)	AEDC VA-422(1A-57). ORB/ET V/RIGHT SRB	.200	.000	1.760	.000	LREF 1290.3000 IN.
(AT0003)	AEDC VA422 1A61 S RIGHT SRB	.200	1500.000	1.760	.000	BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100



EFFECT OF SRB ENGINE PLUME ON SRB AERO CHARACT.

(A)MACH = 4.50

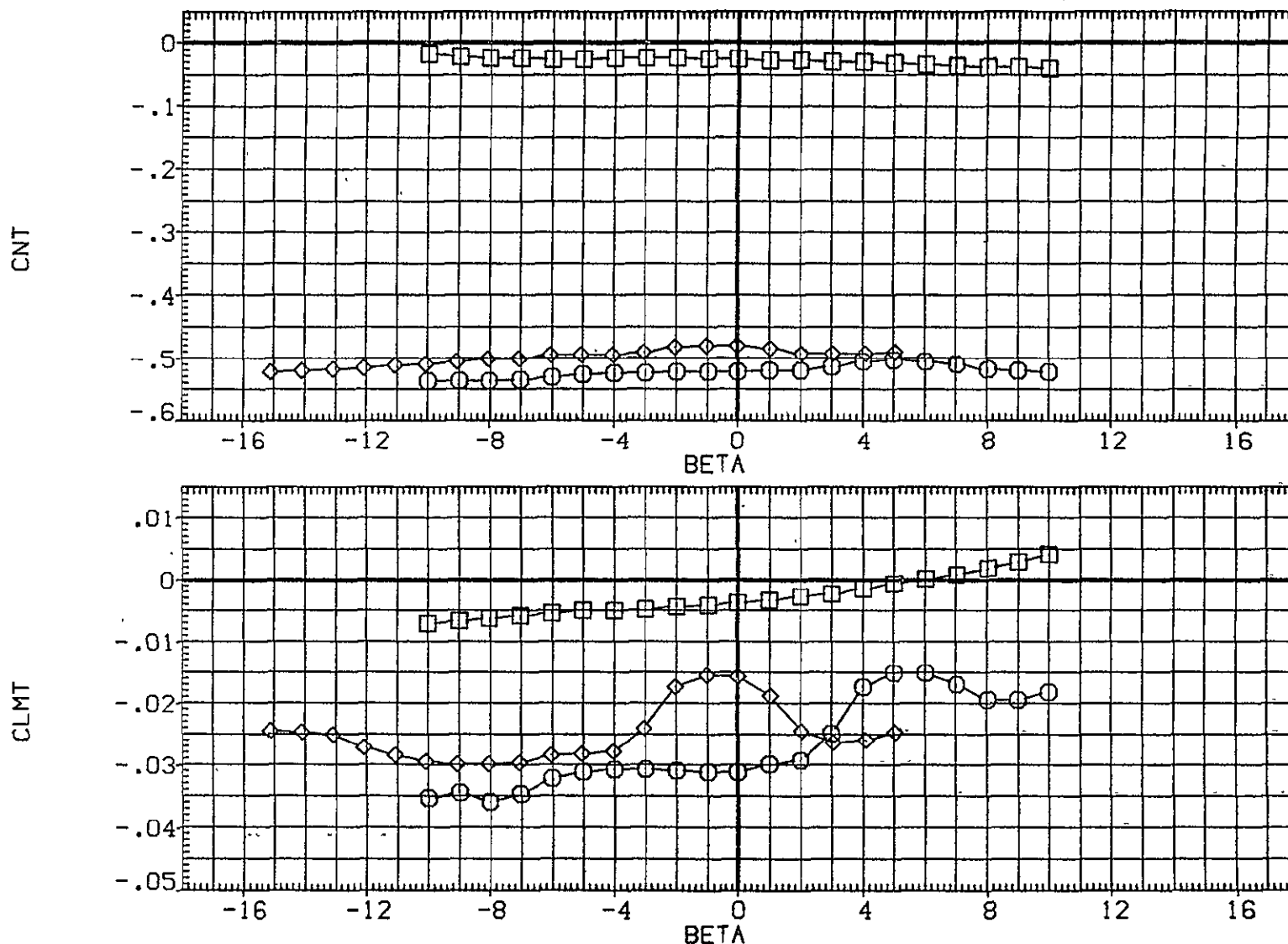
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(ST0018)	□ AEDC VA422 IA61 01ET1S1 SRB DATA (0/ET SEPRTING)	.200	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(BTLO18)	◇ AEDC VA-422(IA-57), ORB/ET W/RIGHT SRB	.200	.000	1.760	.000	LREF	1290.3000 IN.
(AT0004)	◇ AEDC VA422 IA61 S RIGHT SRB	.200	1500.000	1.760	.000	BREF	1290.3000 IN.
						XMRP	1167.0000 IN.XS
						YMRP	.0000 IN.YS
						ZMRP	400.0000 IN.ZS
						SCALE	.0100



EFFECT OF SRB ENGINE PLUME ON SRB AERO CHARACT.

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(ST0018)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	.200	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(BTLO18)	AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.200	.000	1.760	.000	LREF	1290.3000 IN.
(ATQ004)	AEDC VA422 1A61 S RIGHT SRB	.200	1500.000	1.760	.000	BREF	1290.3000 IN.
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						YMRP	.0000 IN.YS
						ZMRP	400.0000 IN.ZS
						SCALE	.0100

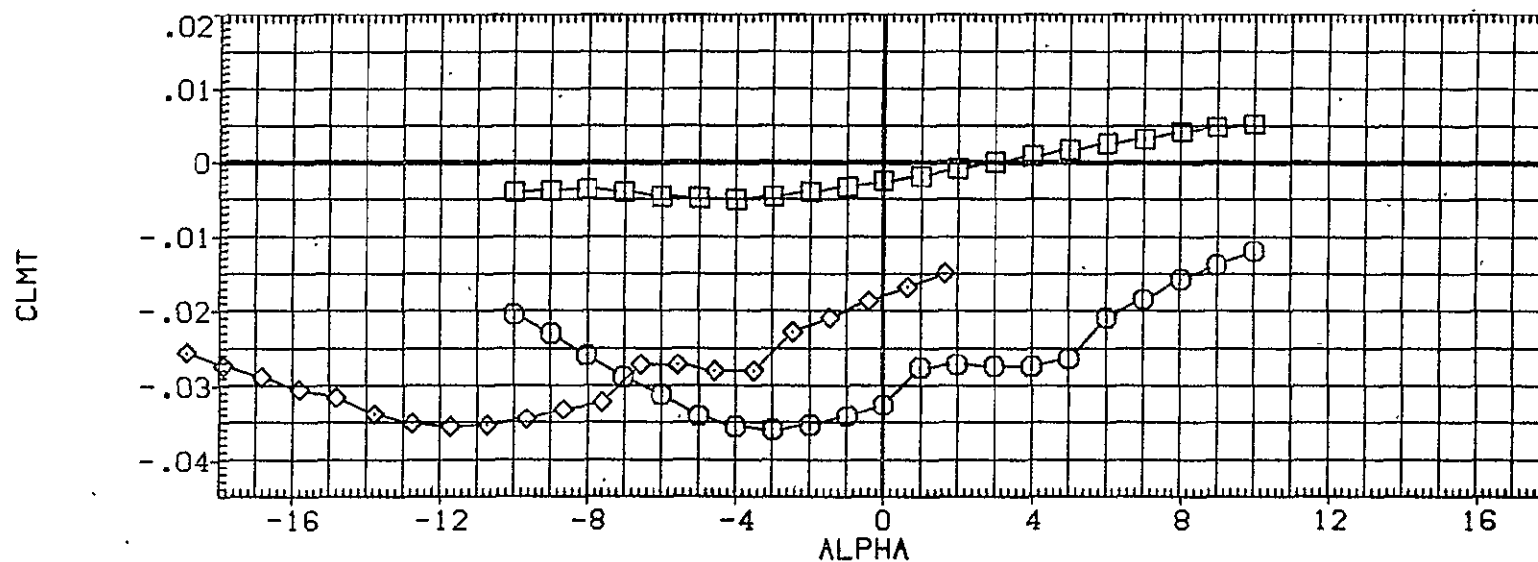
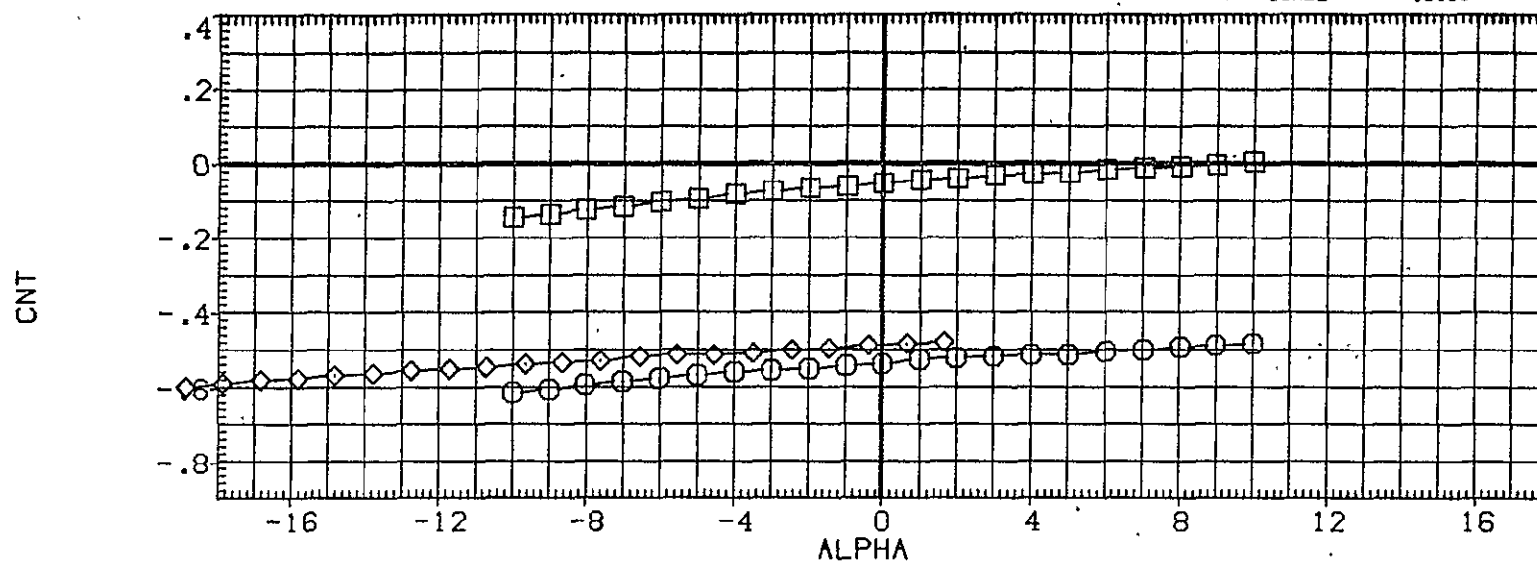


EFFECT OF SRB ENGINE PLUME ON SRB AERO CHARACT.

(A)MACH = 4.50

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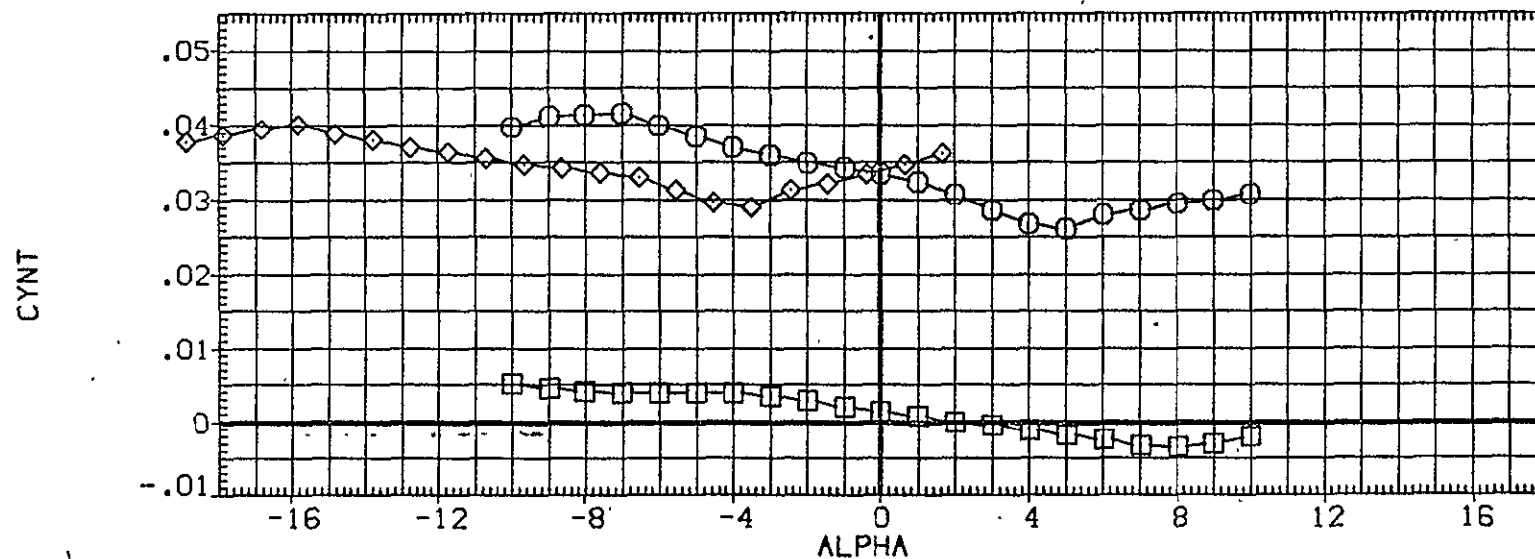
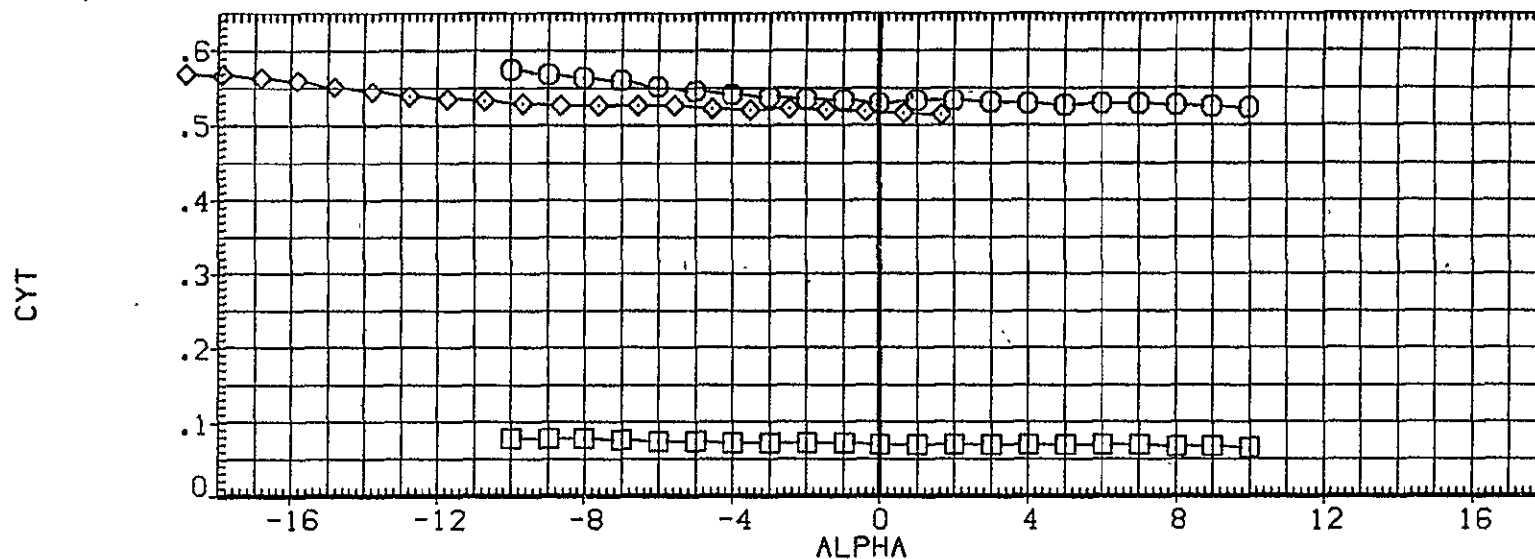
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(ST0020)	○ AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRTING)	.300	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(BTLO25)	◇ AEDC VA-422(1A-57). 0RB/ET W/RIGHT SRB	.300	.000	1.760	.000	LREF	1290.3000 IN.
(AT0005)	◇ AEDC VA422 1A61 S RIGHT SRB	.300	1500.000	1.760	.000	BREF	1290.3000 IN.
						XMRP	1167.0000 IN.XS
						YMRP	.0000 IN.YS
						ZMRP	400.0000 IN.ZS
						SCALE	.0100



EFFECT OF SRB ENGINE PLUME ON SRB AERO CHARACT.

(A)MACH = 4.50

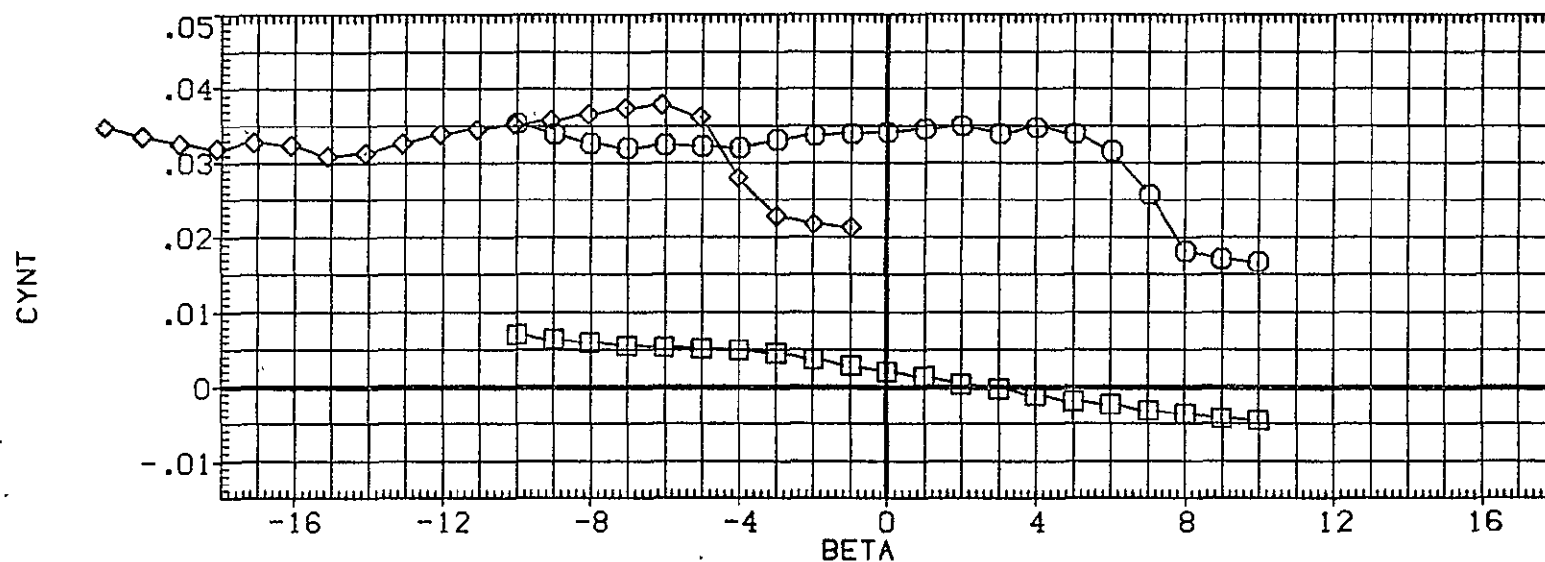
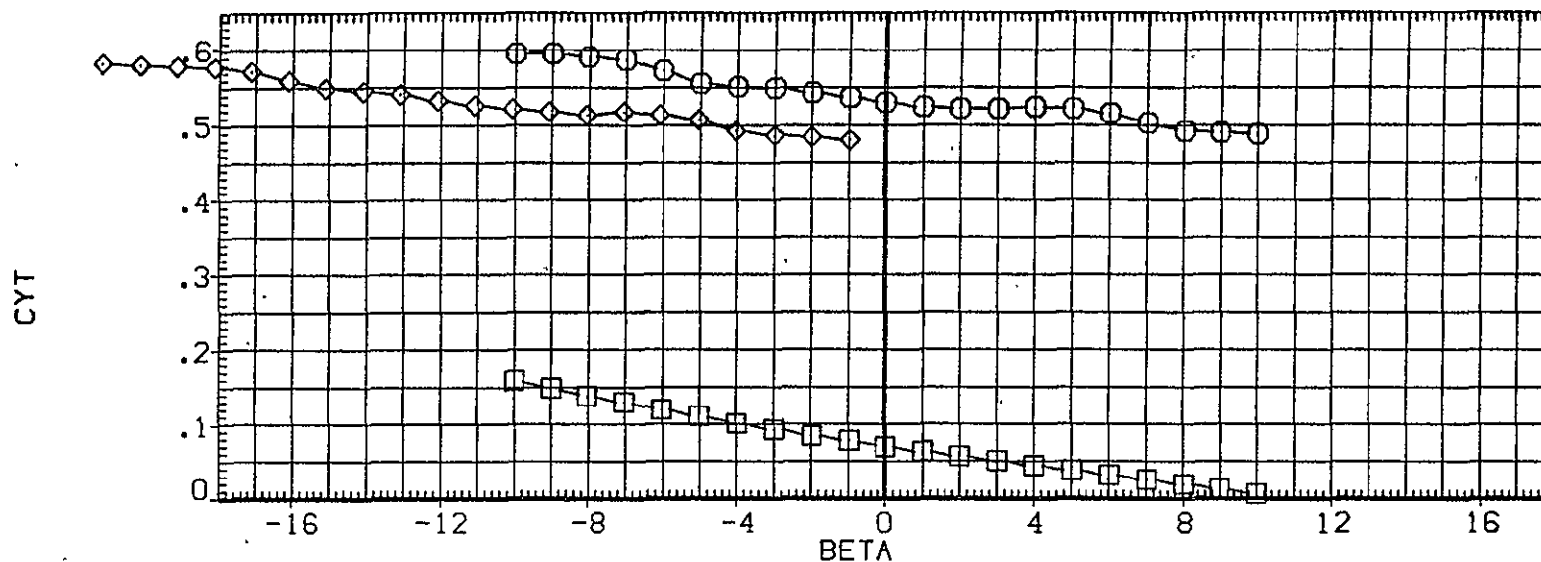
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(ST0020)	○ AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)	.300	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(BTLO25)	□ AEDC VA-422(1A-57), ORB/ET W/RIGHT SRB	.300	.000	1.760	.000	LREF	1290.3000 IN.
(ATQ005)	◇ AEDC VA422 1A61 S RIGHT SRB	.300	1500.000	1.760	.000	BREF	1290.3000 IN.
						XMRP	1167.0000 IN.XS
						YMRP	.0000 IN.YS
						ZMRP	400.0000 IN.ZS
						SCALE	.0100



EFFECT OF SRB ENGINE PLUME ON SRB AERO CHARACT.

(A)MACH = 4.50

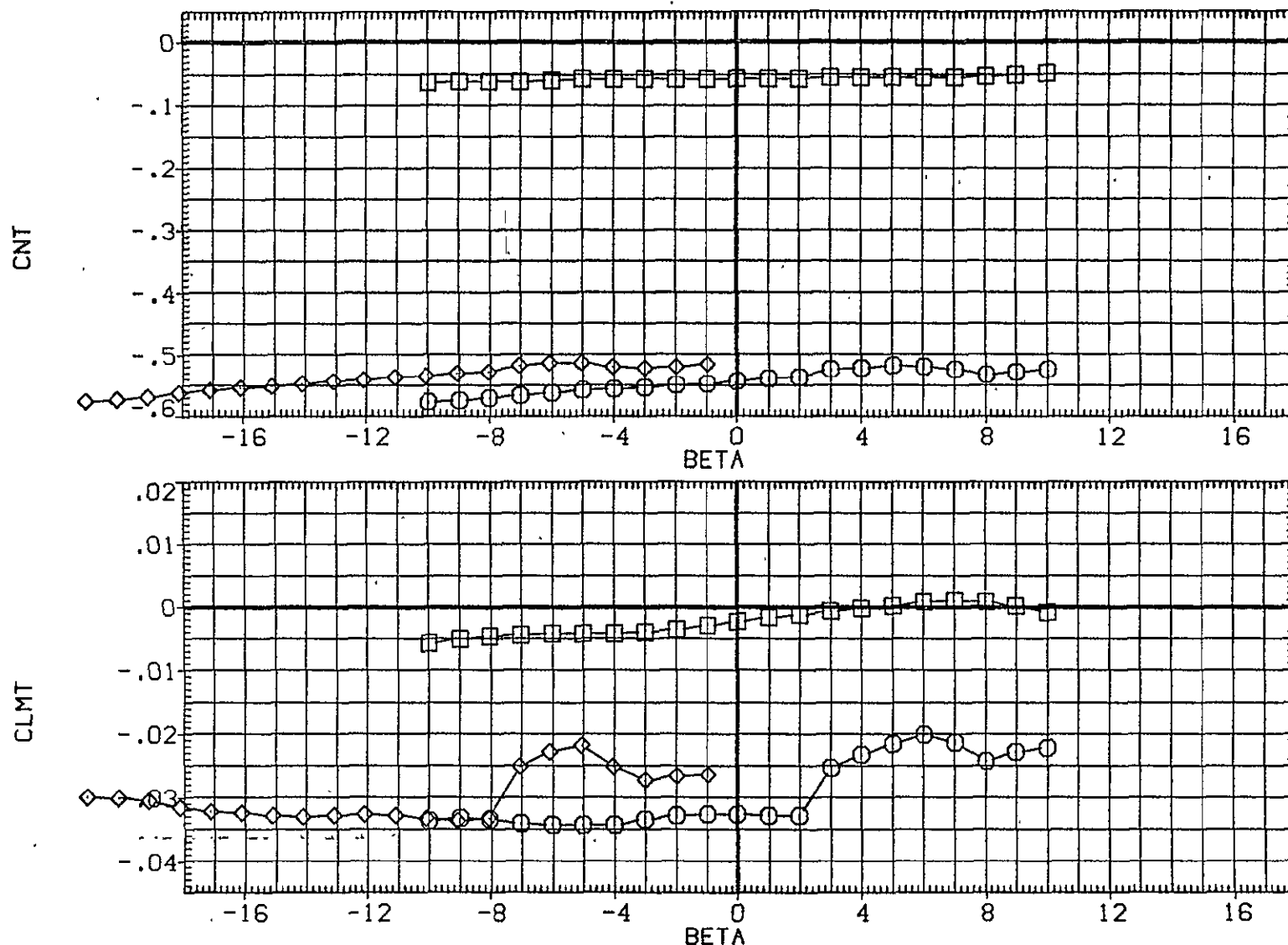
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(ST0021)	AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRTRNG)	.300	1500.000	1.760	.000	SREF	2690.0000 SO.FT.
(BTL026)	AEDC VA-422(1A-57). 0RB/ET W/RIGHT SRB	.300	.000	1.760	.000	LREF	1290.3000 IN.
(AT0006)	AEDC VA422 1A61 S RIGHT SRB	.300	1500.000	1.760	.000	BREF	1290.3000 IN.
						XM RP	1167.0000 IN.XS
						YM RP	.0000 IN.YS
						ZM RP	400.0000 IN.ZS
						SCALE	.0100



EFFECT OF SRB ENGINE PLUME ON SRB AERO CHARACT.

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(ST0021)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	.300	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(BTLO26)	AEDC VA-422(1A-57). ORB/ET W/RIGHT SRB	.300	.000	1.760	.000	LREF	1290.3000 IN.
(AT0006)	AEDC VA422 1A61 S RIGHT SRB	.300	1500.000	1.760	.000	BREF	1290.3000 IN.
						XMRP	1167.0000 IN.XS
						YMRP	.0000 IN.YS
						ZMRP	400.0000 IN.ZS
						SCALE	.0100

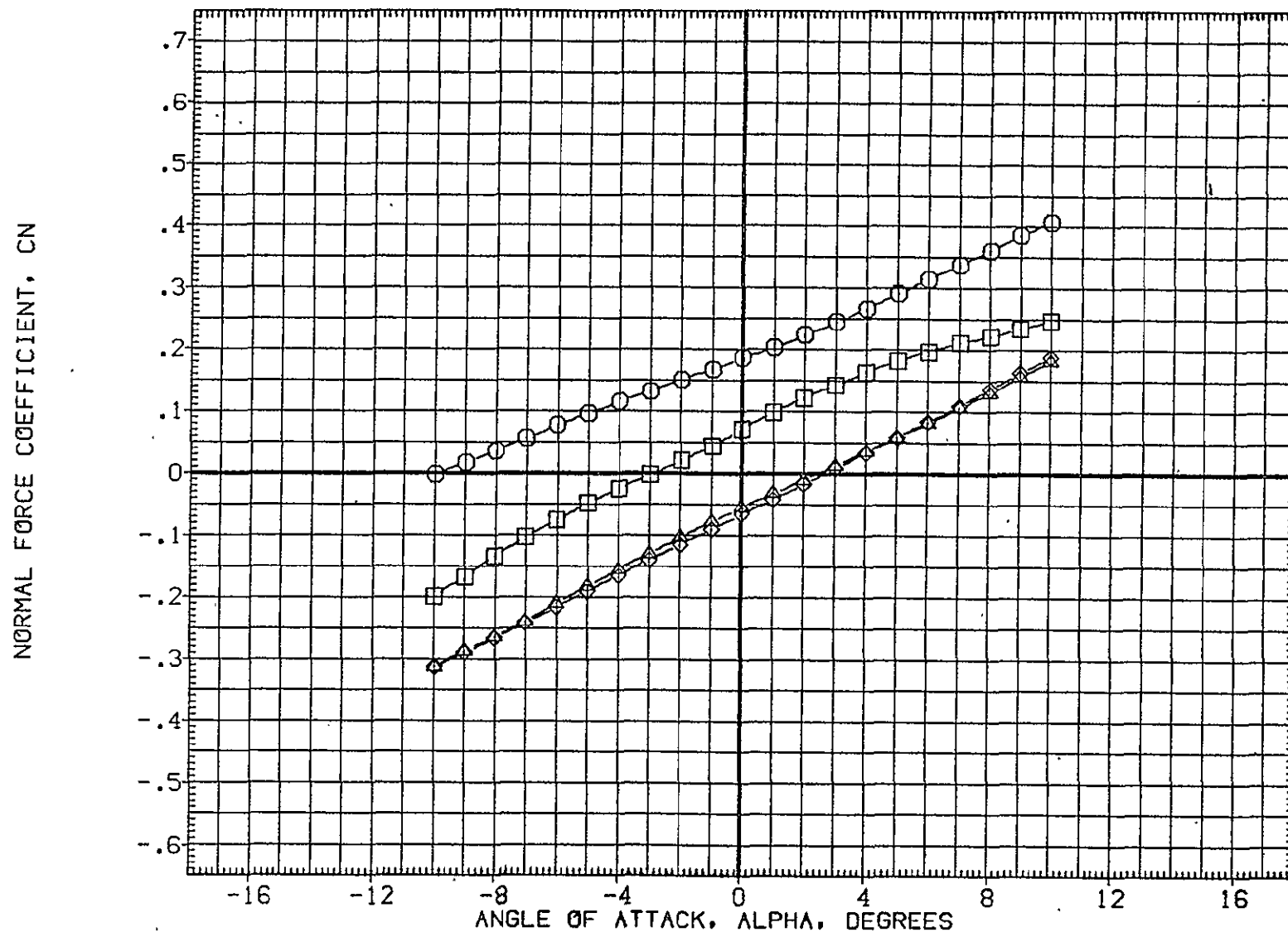


EFFECT OF SRB ENGINE PLUME ON SRB AERO CHARACT..

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0042)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRTNG)	1.100	1500.000	1.760	.000	SREF	2690.0000	50.FT.
(RT0040)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRTNG)	1.100	750.000	1.760	.000	LREF	1290.3000	IN.
(RT0022)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRTNG)	1.100	.000	1.760	.000	BREF	1290.3000	IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

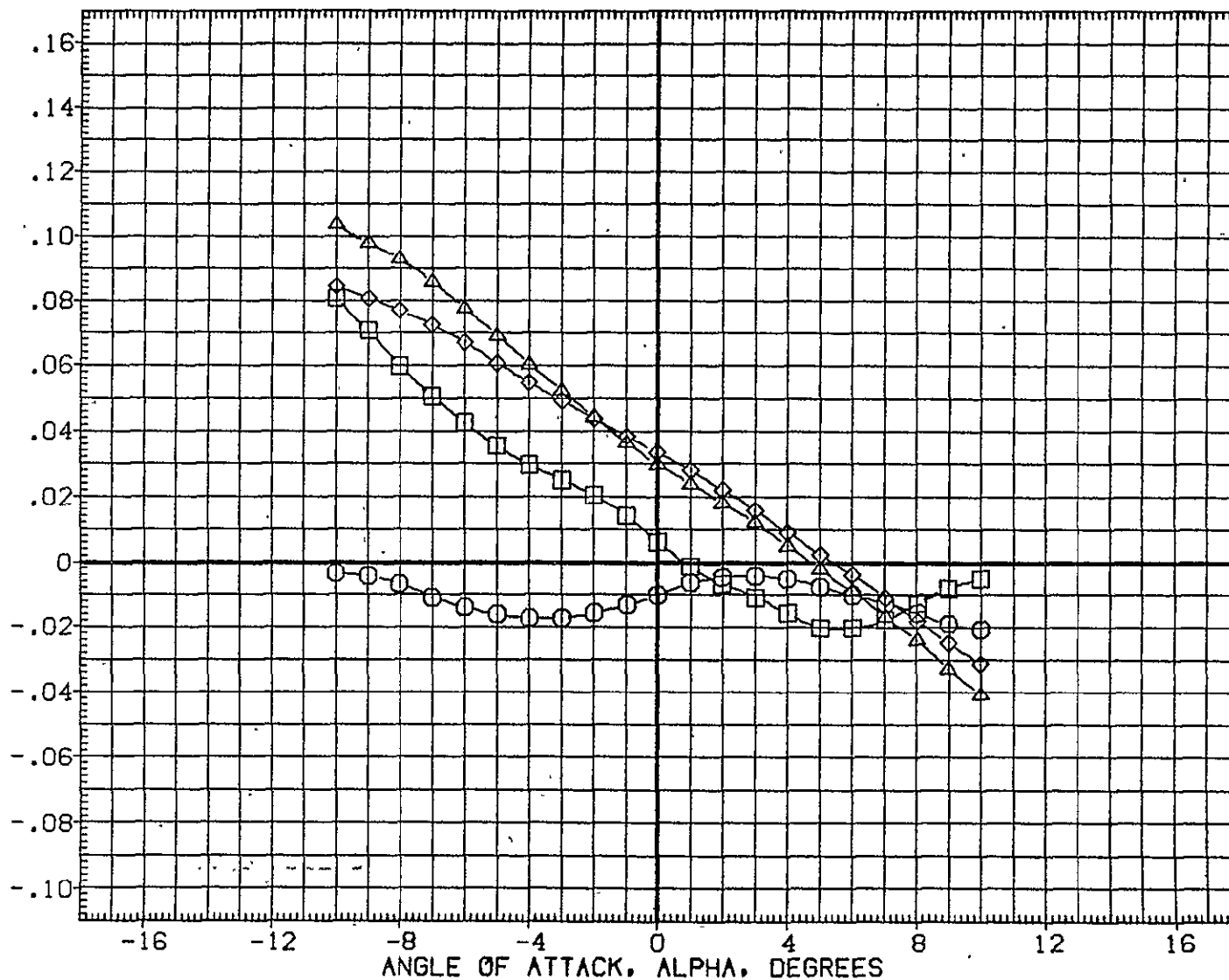


EFFECT OF DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(RTQ042)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(RTQ040)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	750.000	1.760	.000	LREF	1290.3000 IN.
(RTQ022)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	.000	1.760	.000	BREF	1290.3000 IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED 0RB/ET			1.760	.000	XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

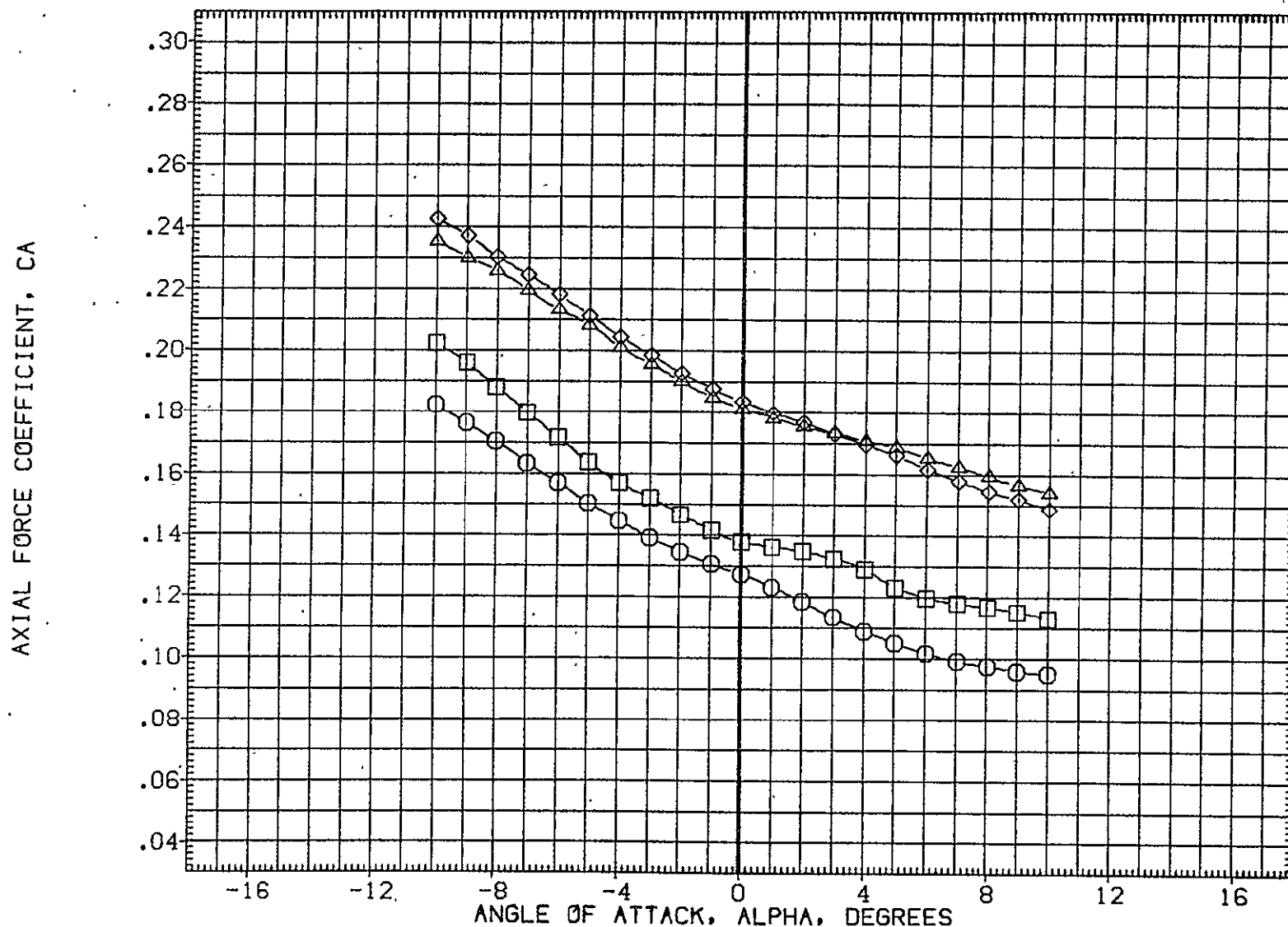
PITCHING MOMENT COEFFICIENT, CLM



EFFECT OF DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.

(A)MACH = 4.50

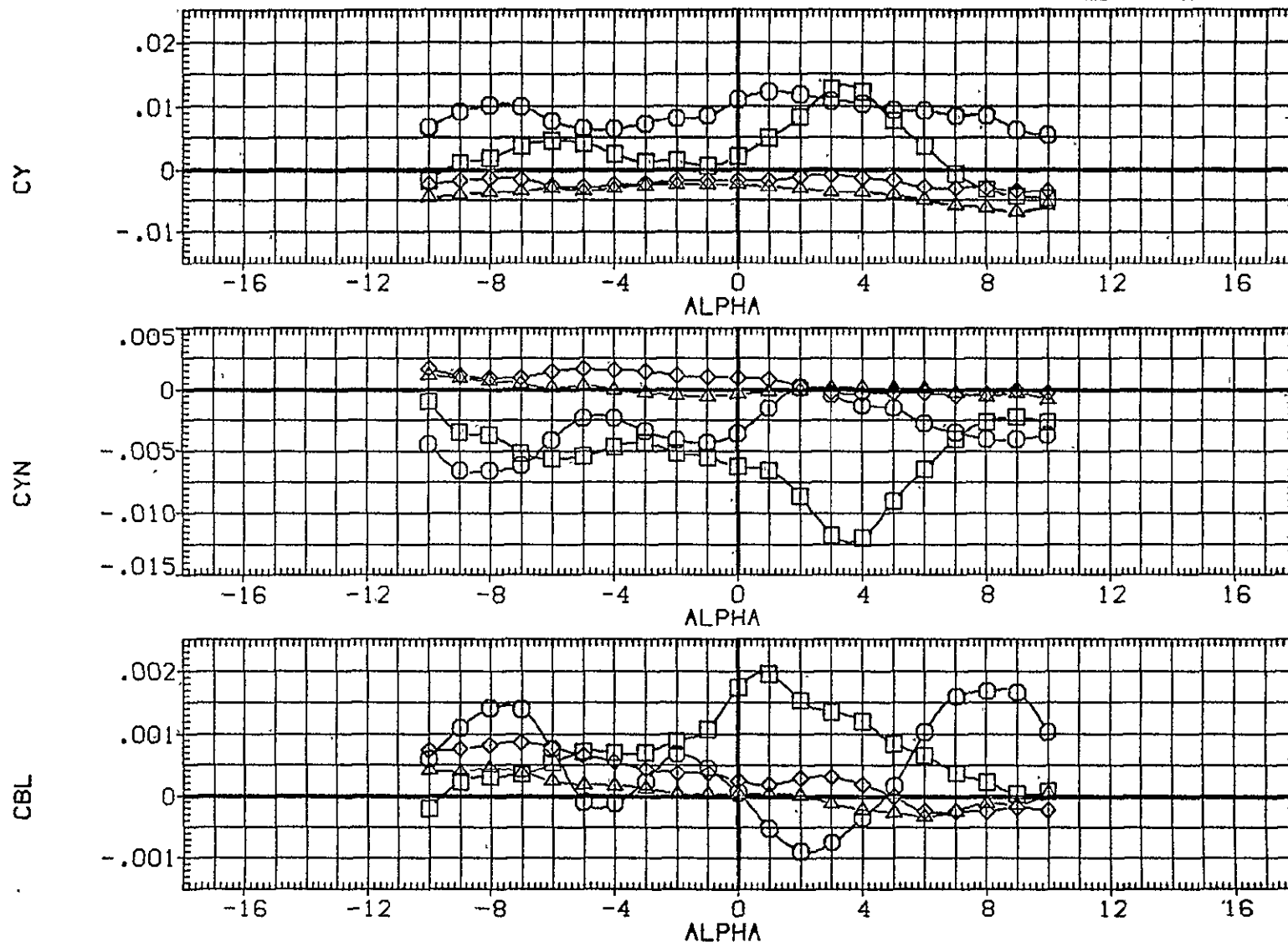
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(RT0042)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	1.100	1500.000	1.760	.000	SREF	2690.0000 50.FT.
(RT0040)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	1.100	750.000	1.760	.000	LREF	1290.3000 IN.
(RT0022)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	1.100	.000	1.760	.000	BREF	1290.3000 IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100



EFFECT OF DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0042)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	1.100	1500.000	1.760	.000	SREF	2690.0000	50.FT.
(RT0040)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	1.100	750.000	1.760	.000	LREF	1290.3000	IN.
(RT0022)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	1.100	.000	1.760	.000	BREF	1290.3000	IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	XMRP	1052.0000	IN.YT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

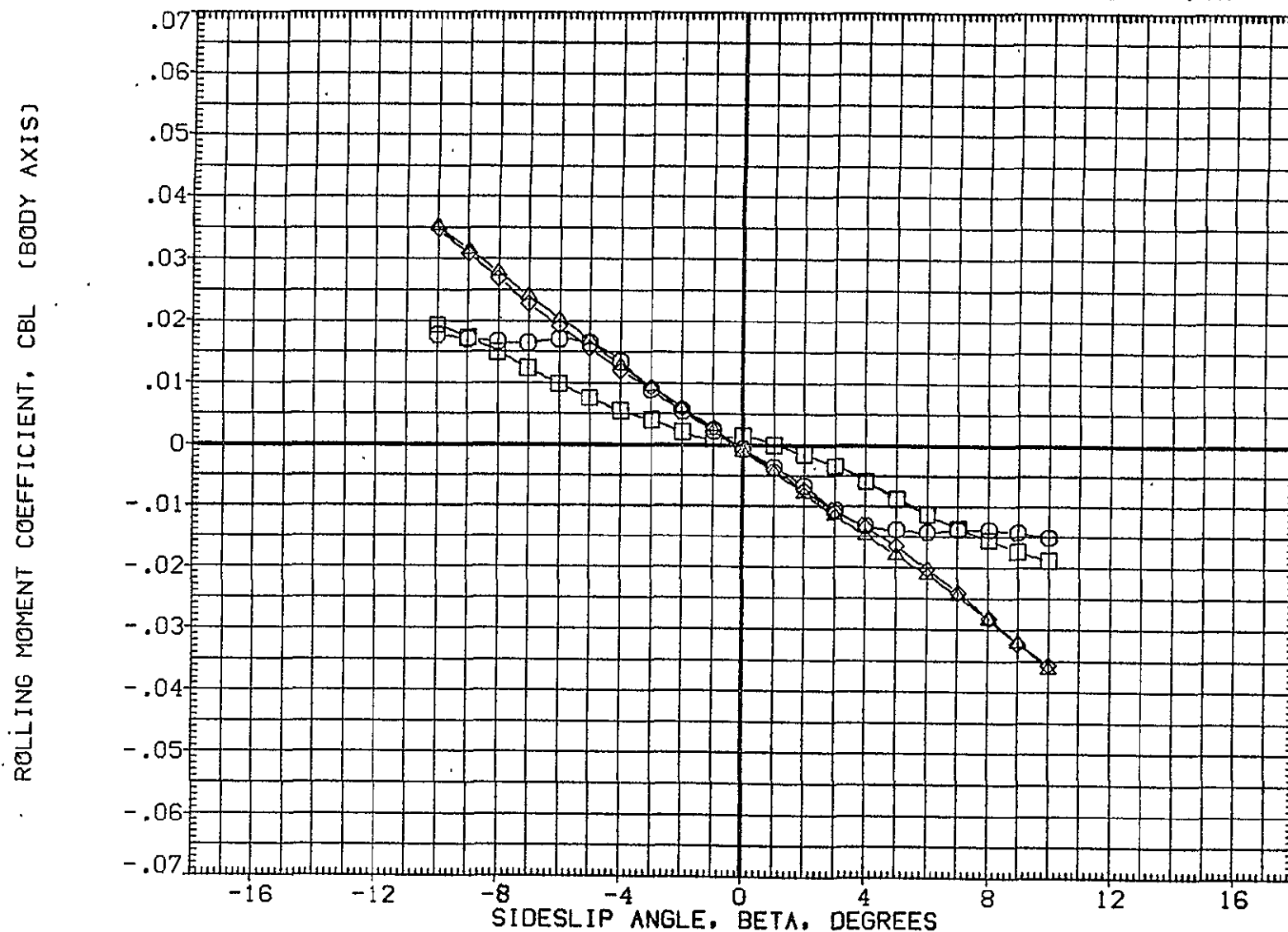


EFFECT OF DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.

(A)MACH = 4.50

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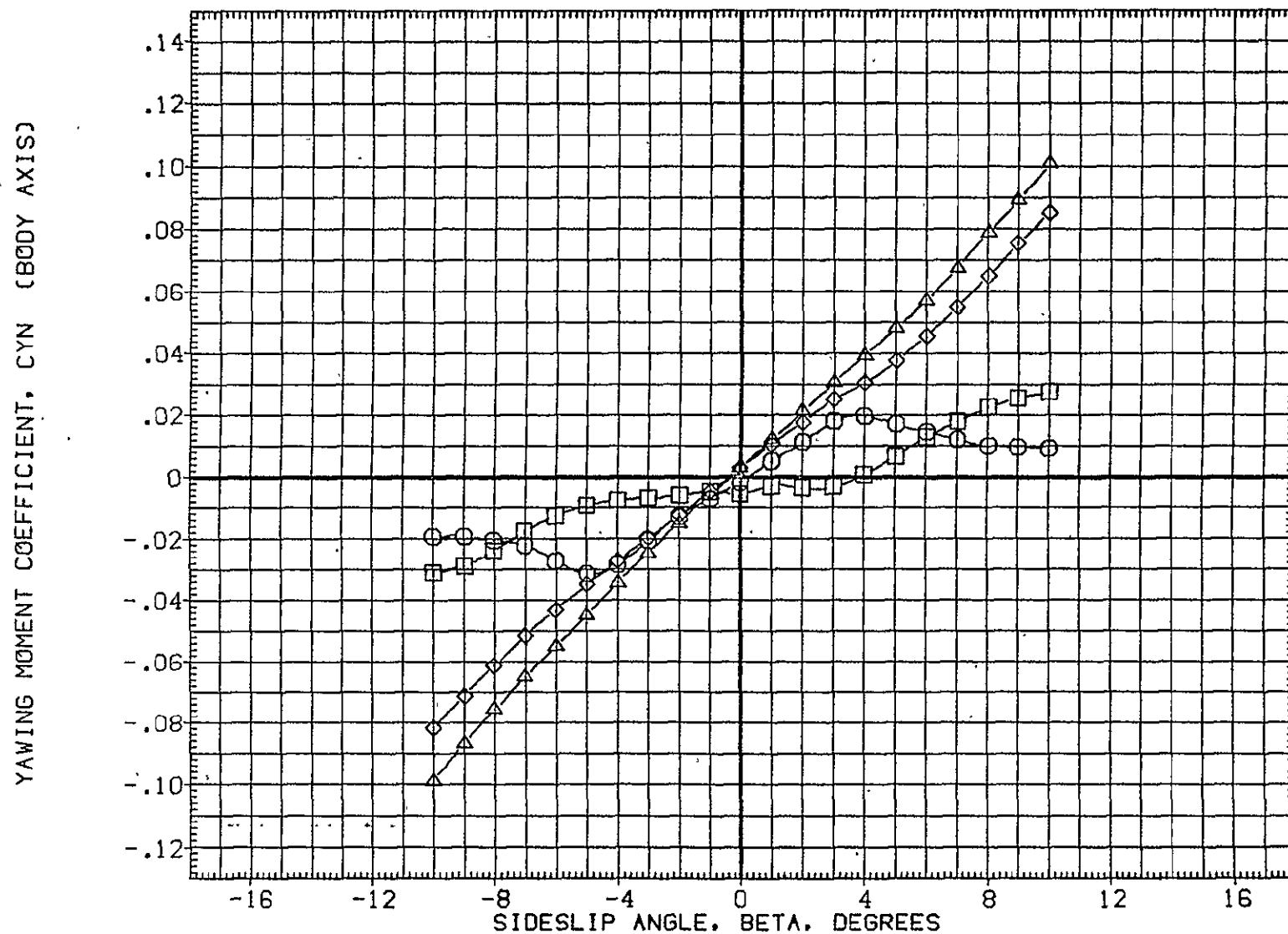
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0045)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(RT0041)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	750.000	1.760	.000	LREF	1290.3000	IN.
(RT0023)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	.000	1.760	.000	BREF	1290.3000	IN.
(ATL002)	AEDC VA-422(1A-57). ISOLATED ORB/ET			1.760	.000	XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF DUAL SRB ENGINE PUMES ON O/ET AERO CHARACT.

(A)MACH = 4.50

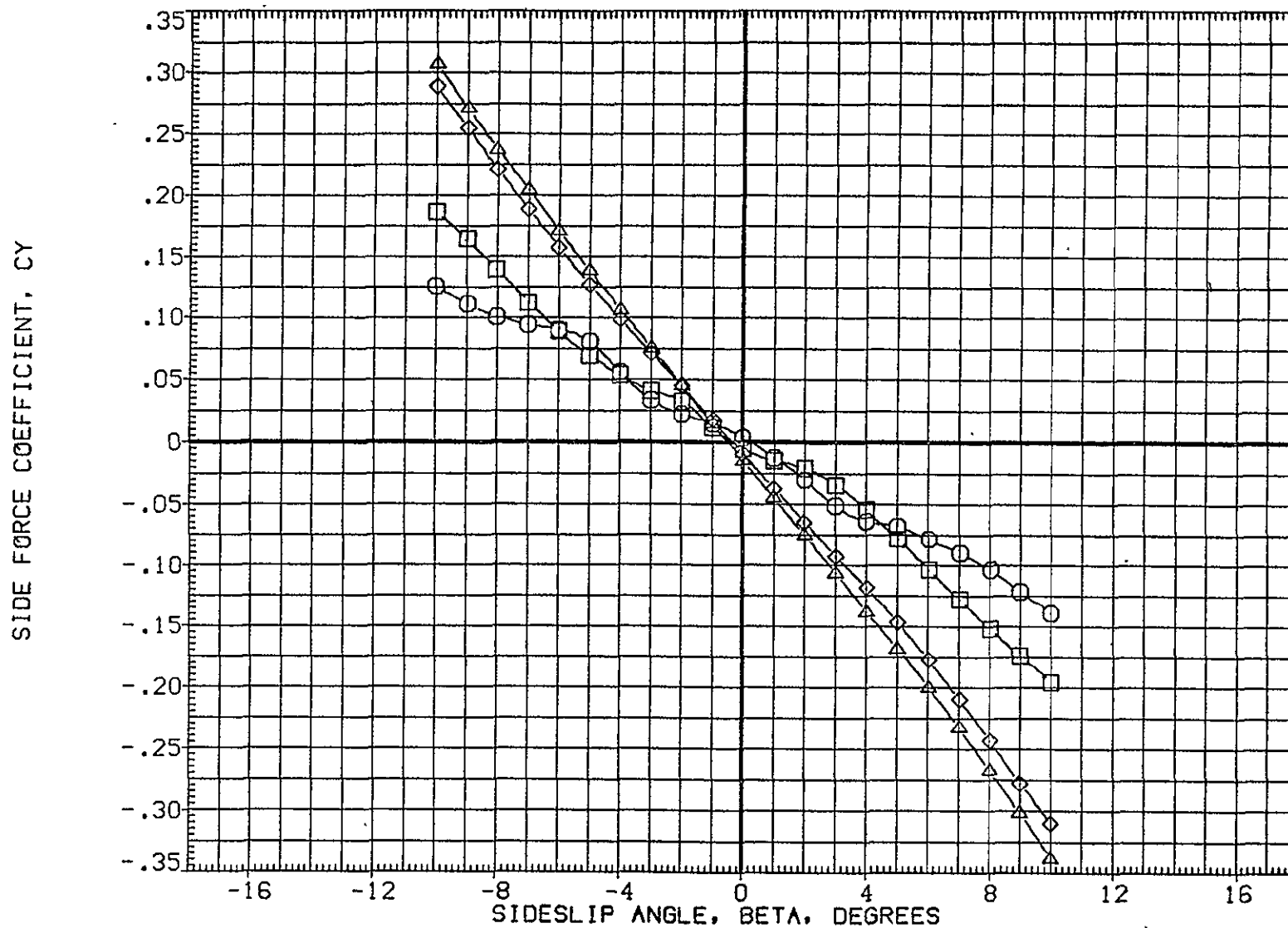
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0045)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	1500.000	1.760	.000	SREF	2690.0000	50.FT.
(RT0041)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	750.000	1.760	.000	LREF	1290.3000	IN.
(RT0023)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	.000	1.760	.000	BREF	1290.3000	IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.

(A)MACH = 4.50

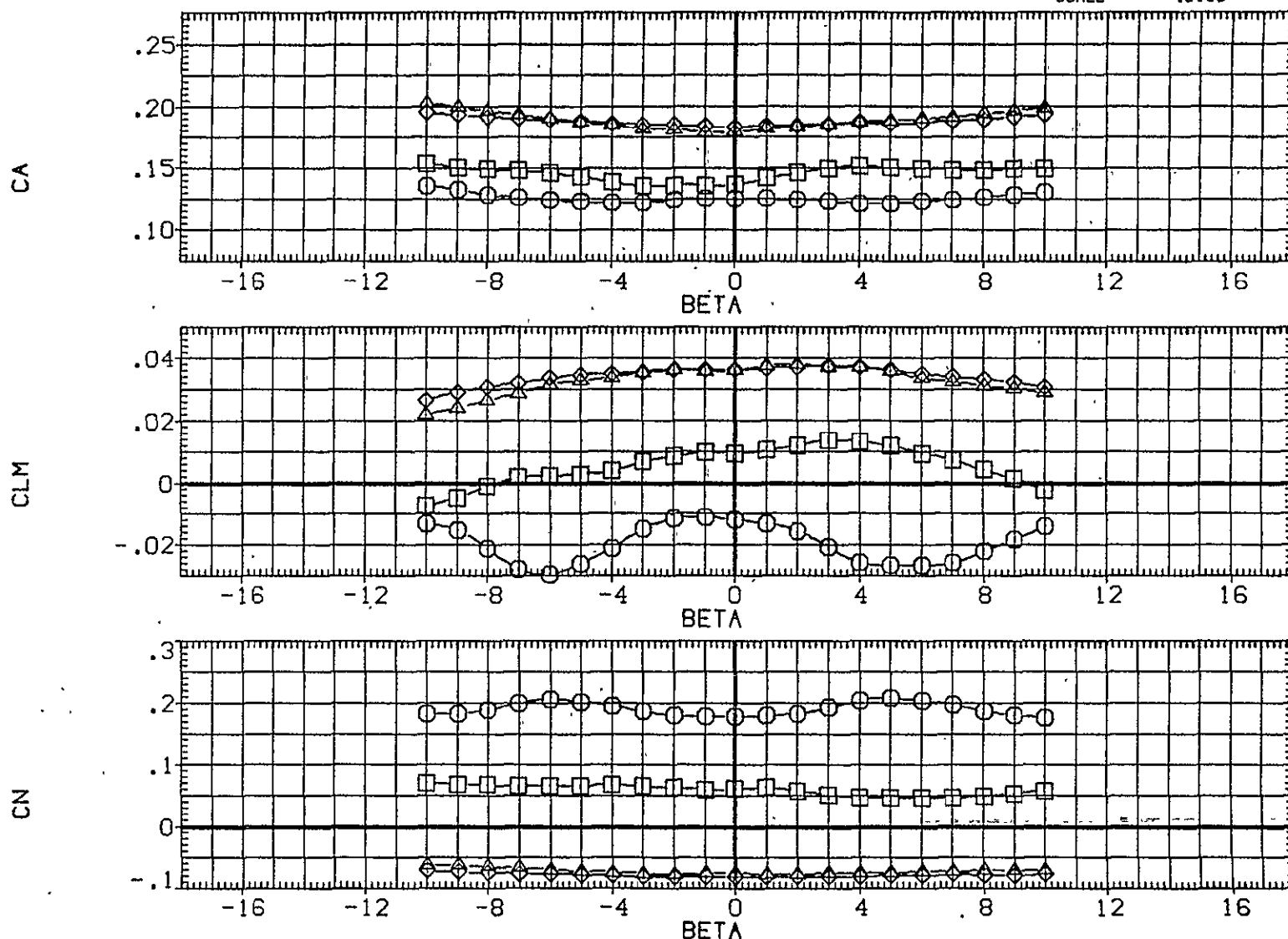
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RTQ045)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(RTQ041)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	750.000	1.760	.000	LREF	1290.3000	IN.
(RTQ023)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	.000	1.760	.000	BREF	1290.3000	IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RTQ045)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(RTQ041)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	750.000	1.760	.000	LREF	1290.3000 IN.
(RTQ023)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	1.100	.000	1.760	.000	BREF	1290.3000 IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

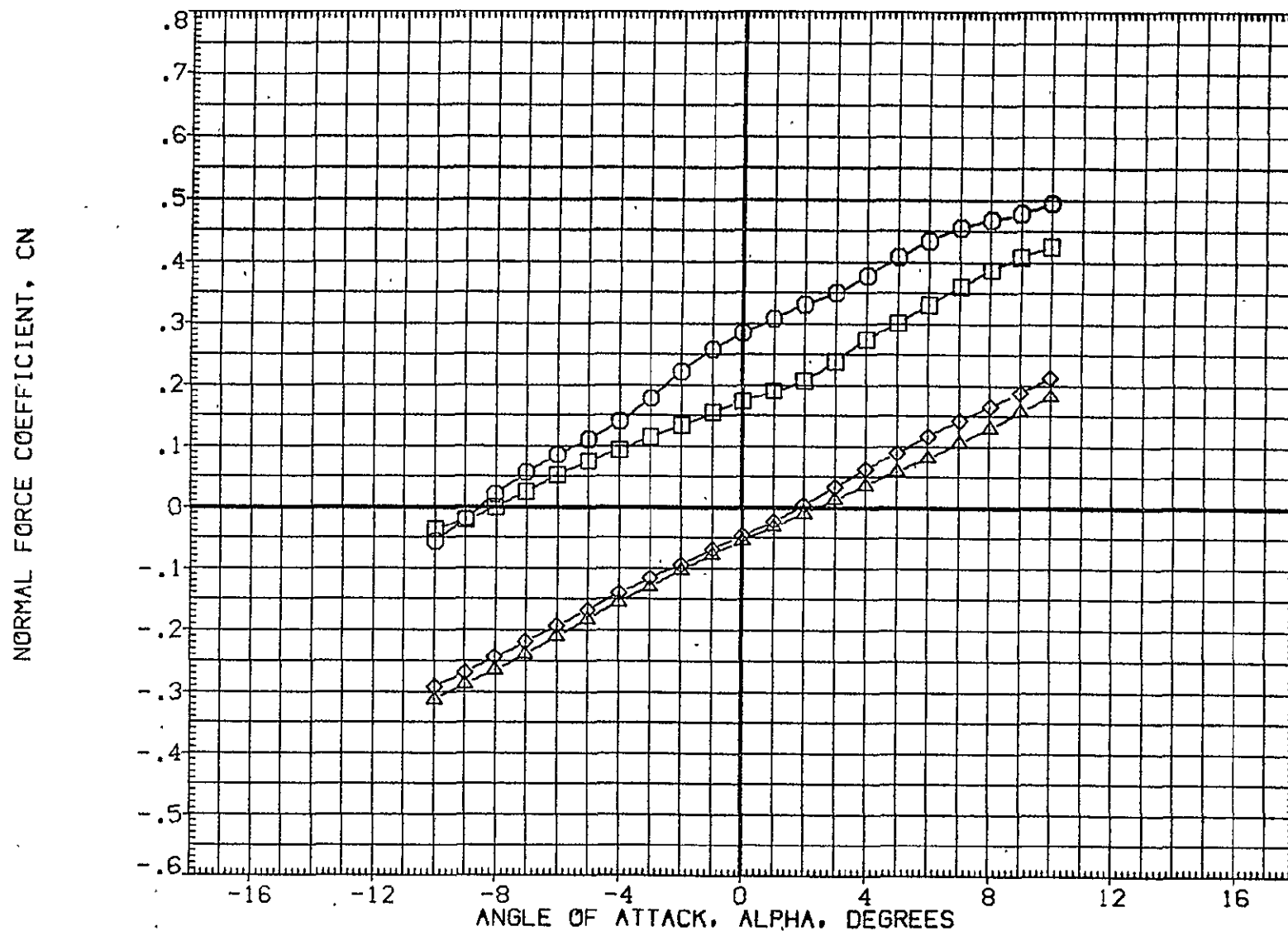


EFFECT OF DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.

(A)MACH = 4.50

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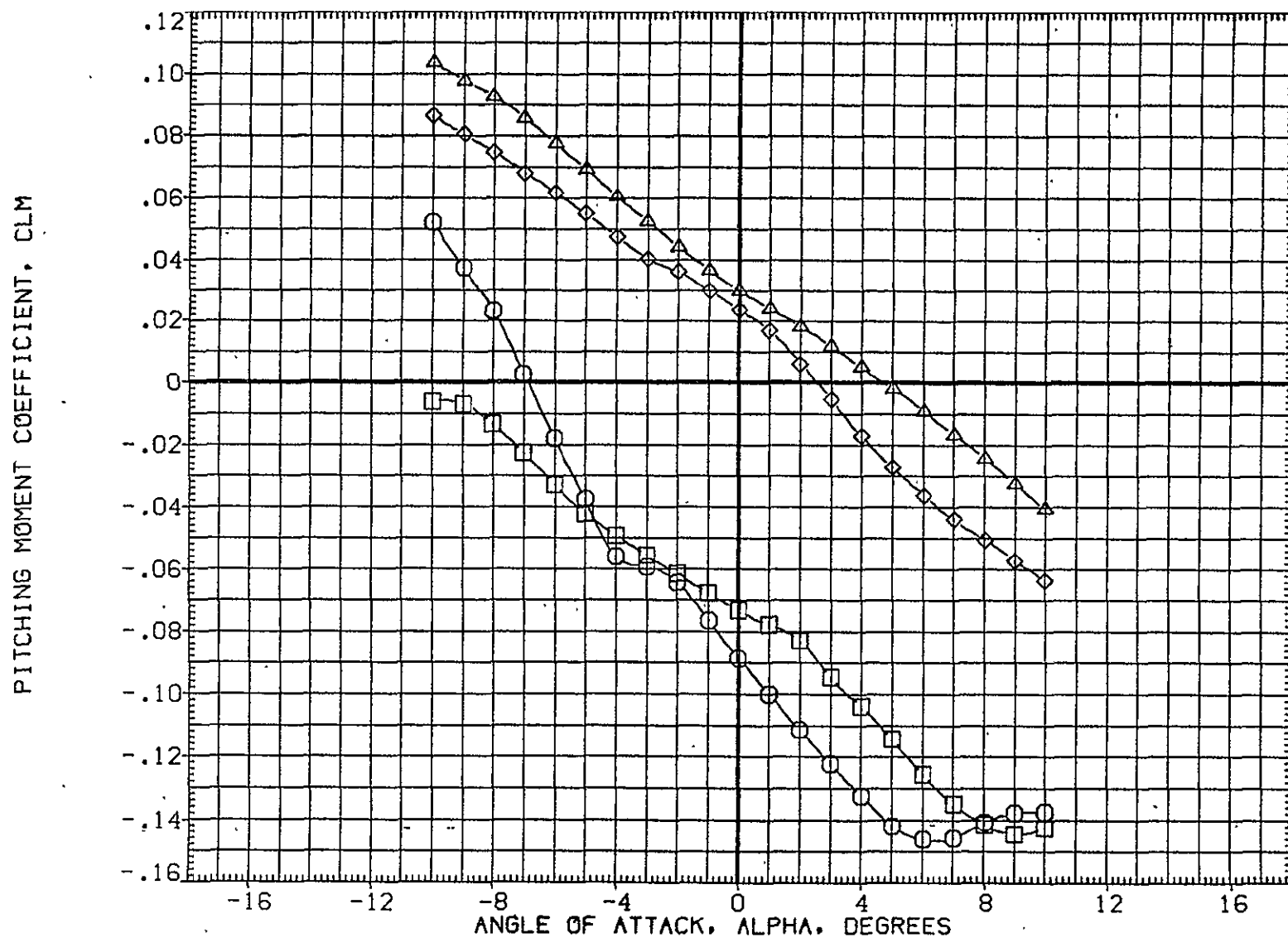
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(RT0054)	○ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(RT0052)	□ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	750.000	1.760	.000	LREF 1290.3000 IN.
(RT0047)	△ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	.000	1.760	.000	BREF 1290.3000 IN.
(ATL001)	△ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100



EFFECT OF DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.

(A)MACH = 4.50

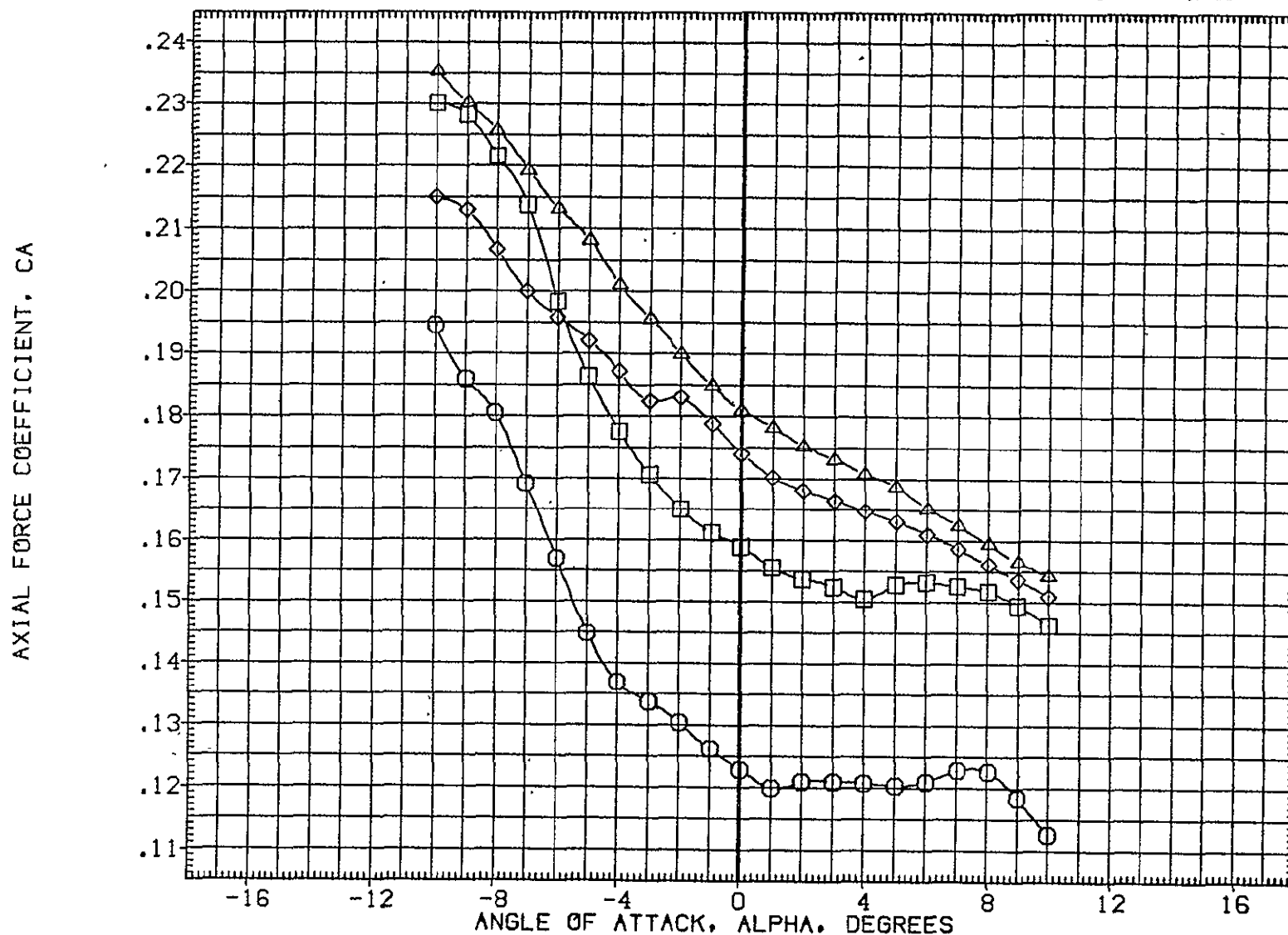
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0054)	○ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(RT0052)	□ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	750.000	1.760	.000	LREF	1290.3000	IN.
(RT0047)	◇ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	.000	1.760	.000	BREF	1290.3000	IN.
(ATL001)	△ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.

(A)MACH = 4.50

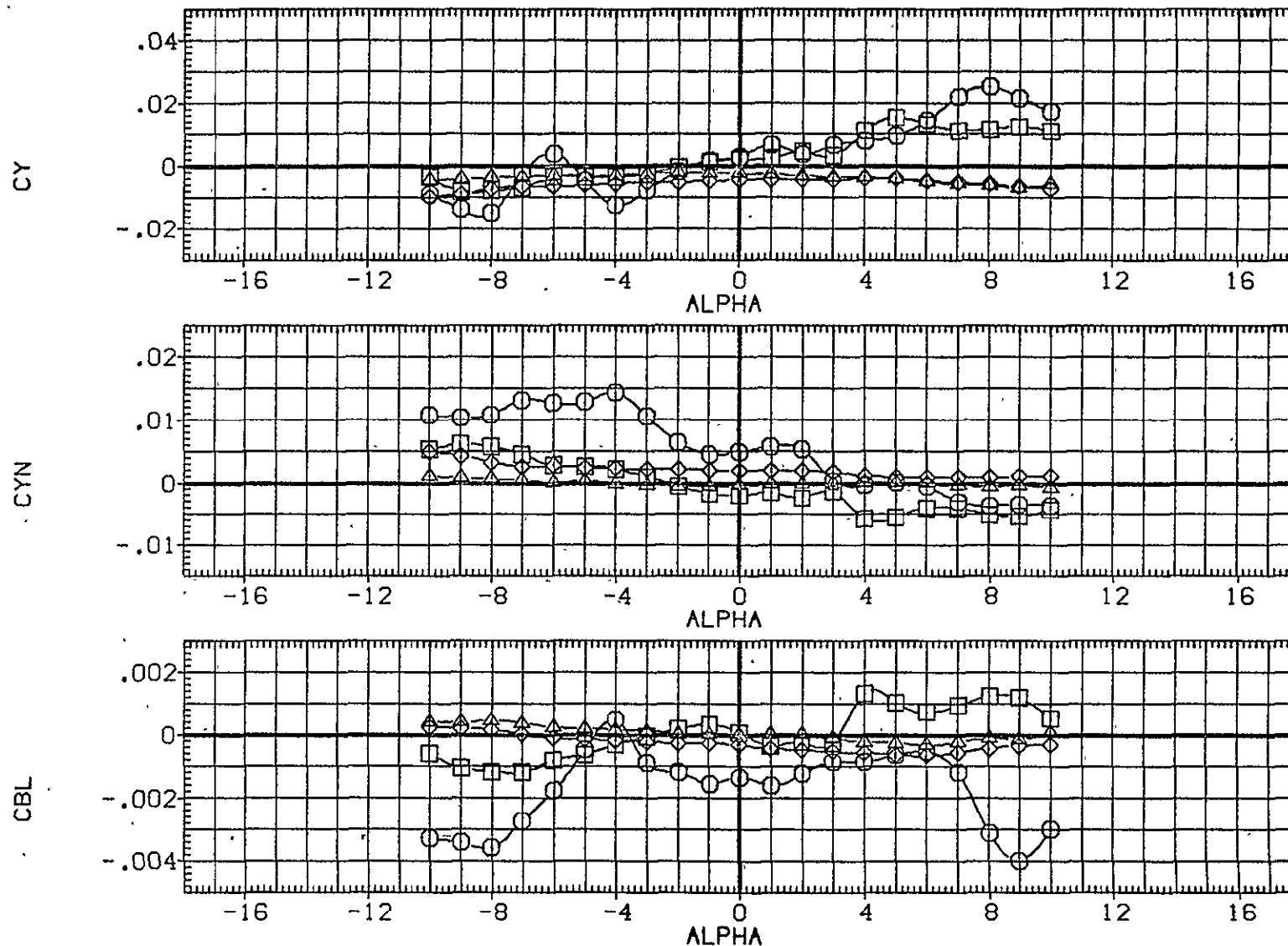
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0054)	AEDC VA422 1A61 0JET1S1 0/ET DATA (SRB SEPRNG)	2.200	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(RT0052)	AEDC VA422 1A61 0JET1S1 0/ET DATA (SRB SEPRNG)	2.200	750.000	1.760	.000	LREF	1290.3000	IN.
(RT0047)	AEDC VA422 1A61 0JET1S1 0/ET DATA (SRB SEPRNG)	2.200	.000	1.760	.000	BREF	1290.3000	IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RTQ054)	○ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	2.200	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(RTQ052)	□ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	2.200	750.000	1.760	.000	LREF	1290.3000	IN.
(RTQ047)	◇ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	2.200	.000	1.760	.000	BREF	1290.3000	IN.
(ATL001)	△ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	XMRP	1052.0000	IN.YT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

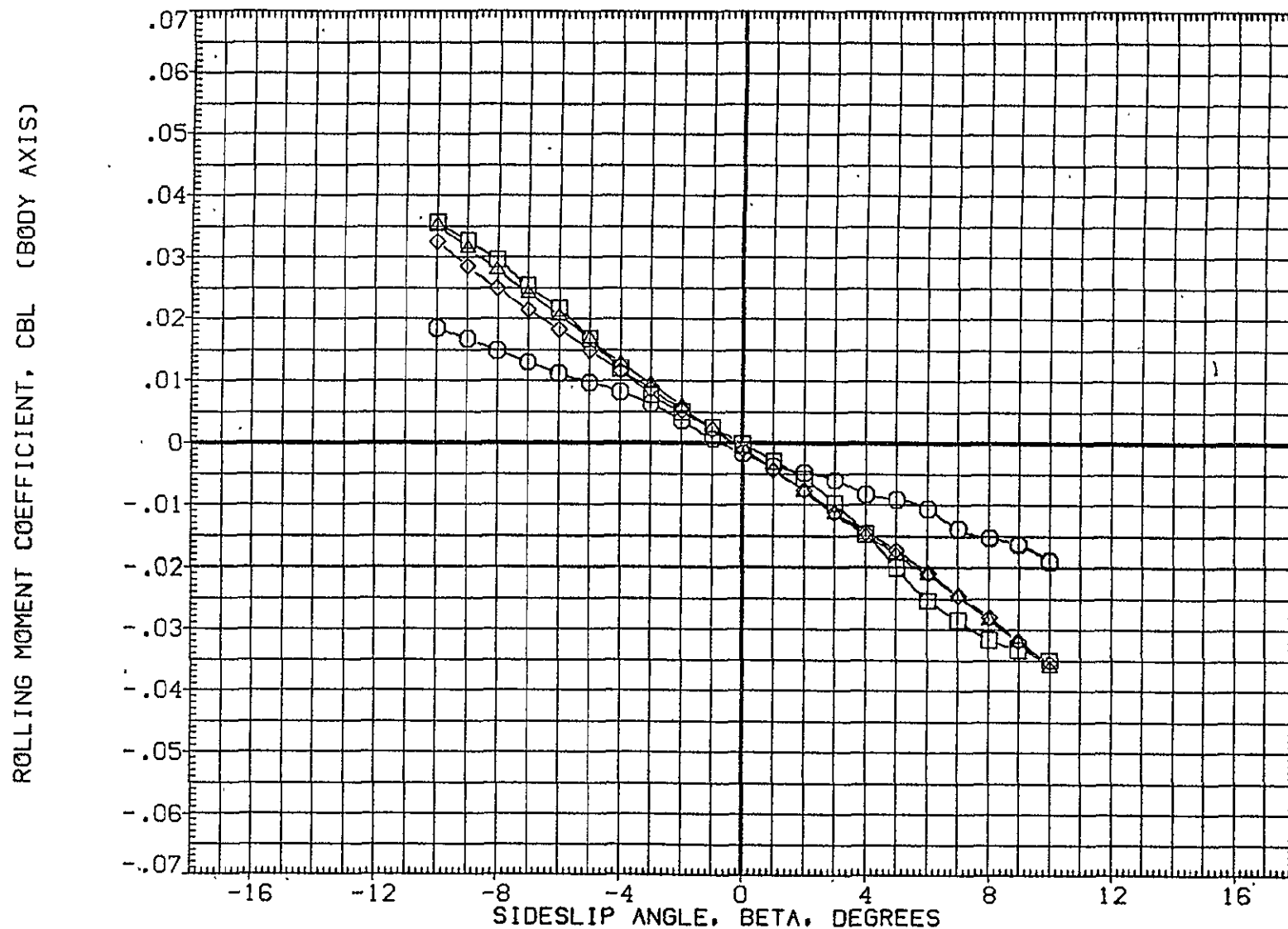


EFFECT OF DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.

(A)MACH = 4.50

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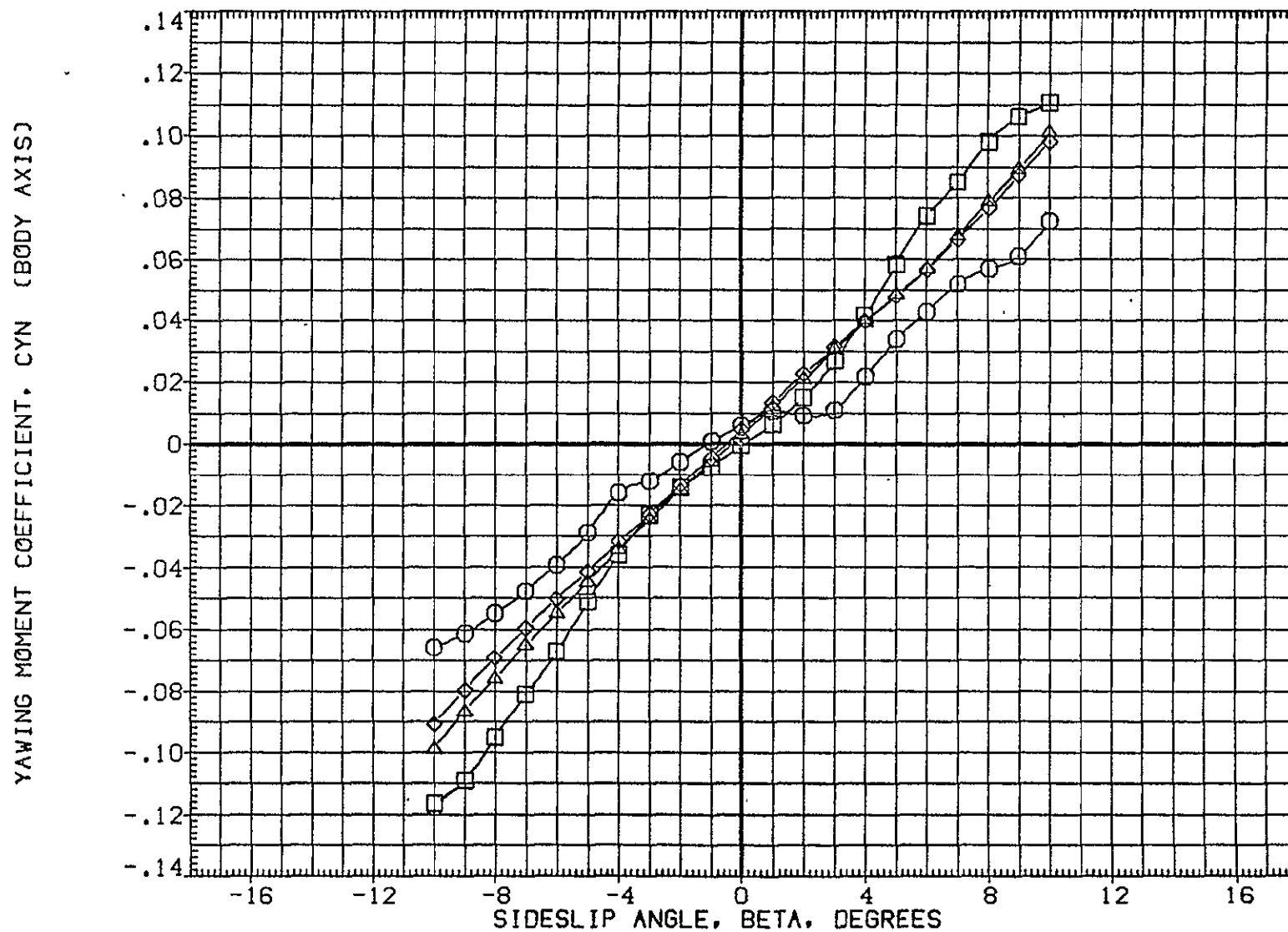
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0056)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(RT0053)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	750.000	1.760	.000	LREF	1290.3000	IN.
(RT0048)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	.000	1.760	.000	ØREF	1290.3000	IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ØRB/ET			1.760	.000	XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBP05	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RT0056)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(RT0053)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	750.000	1.760	.000	LREF	1290.3000 IN.
(RT0048)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	.000	1.760	.000	BREF	1290.3000 IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

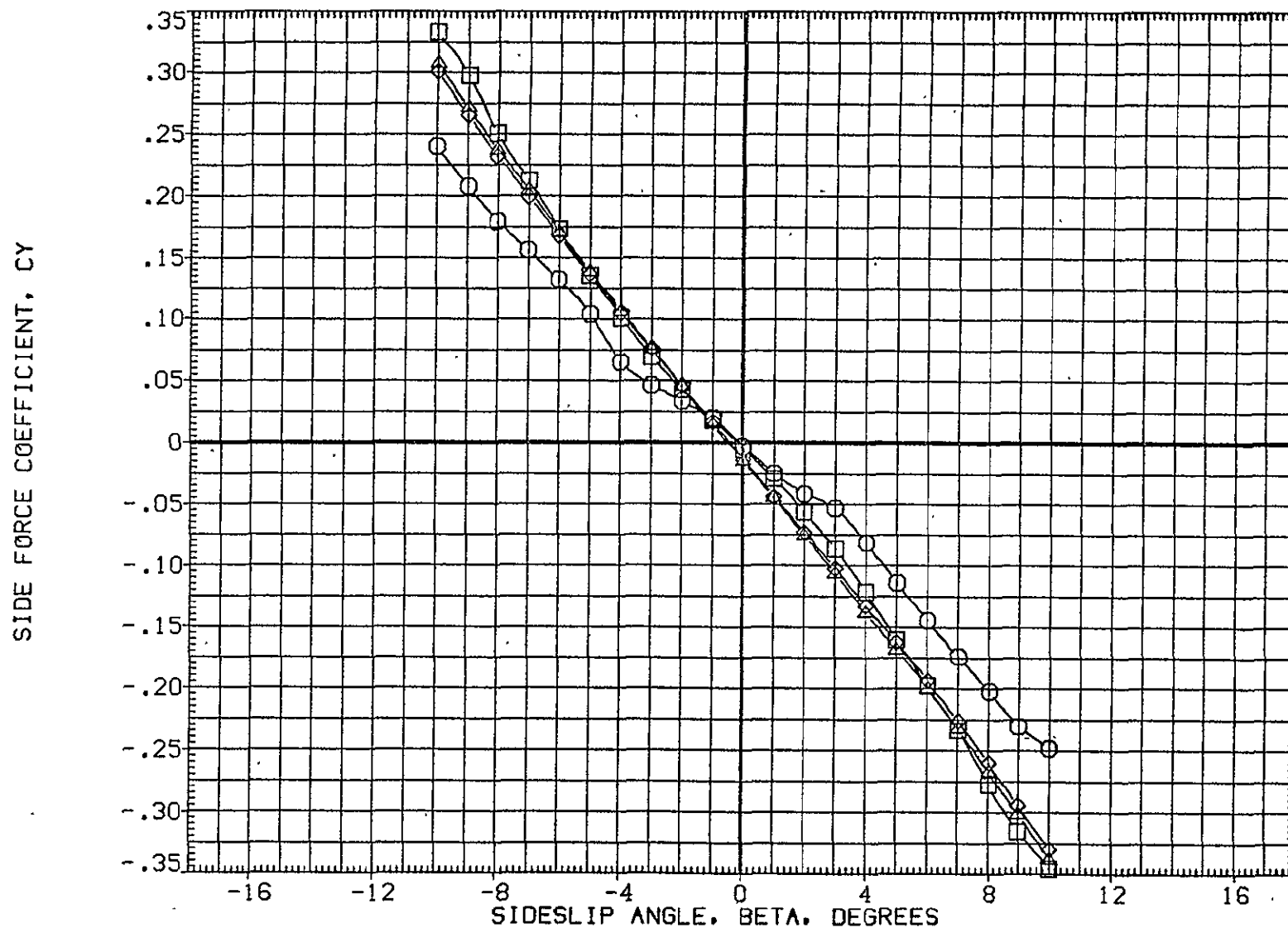


EFFECT OF DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.

(A)MACH = 4.50

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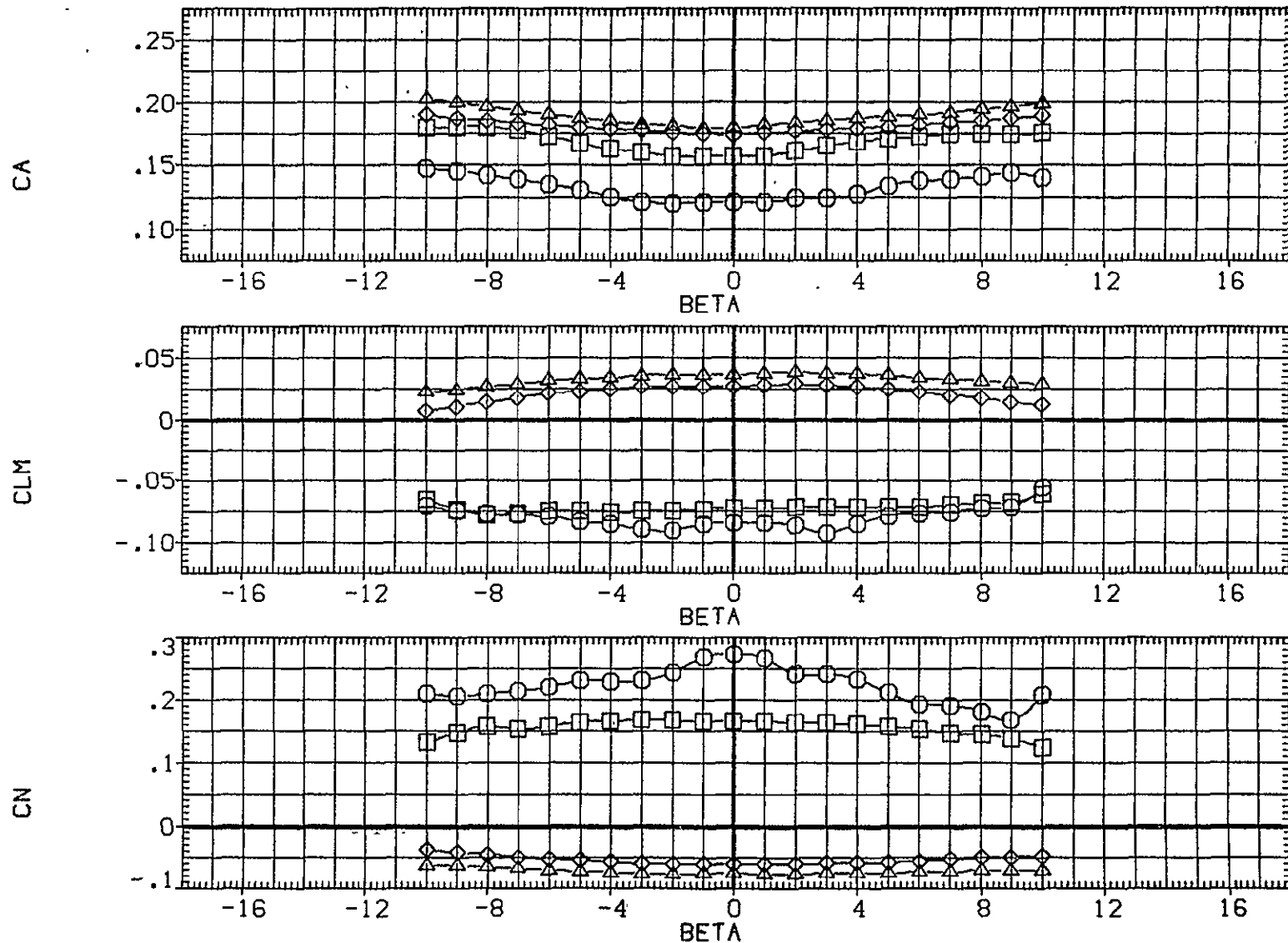
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RT0056)	□ AEDC VA422 IA61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(RT0053)	□ AEDC VA422 IA61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	750.000	1.760	.000	LREF	1290.3000	IN.
(RT0048)	◇ AEDC VA422 IA61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	.000	1.760	.000	BREF	1290.3000	IN.
(ATL002)	△ AEDC VA-422(IA-57), ISOLATED ORB/ET			1.760	.000	XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION
(RT0056)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(RT0053)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	750.000	1.760	.000	LREF 1290.3000 IN.
(RT0048)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	2.200	.000	1.760	.000	BREF 1290.3000 IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	XMRP 1052.0000 IN.XT
						YMRP .0000 IN.YT
						ZMRP 447.0000 IN.ZT
						SCALE .0100

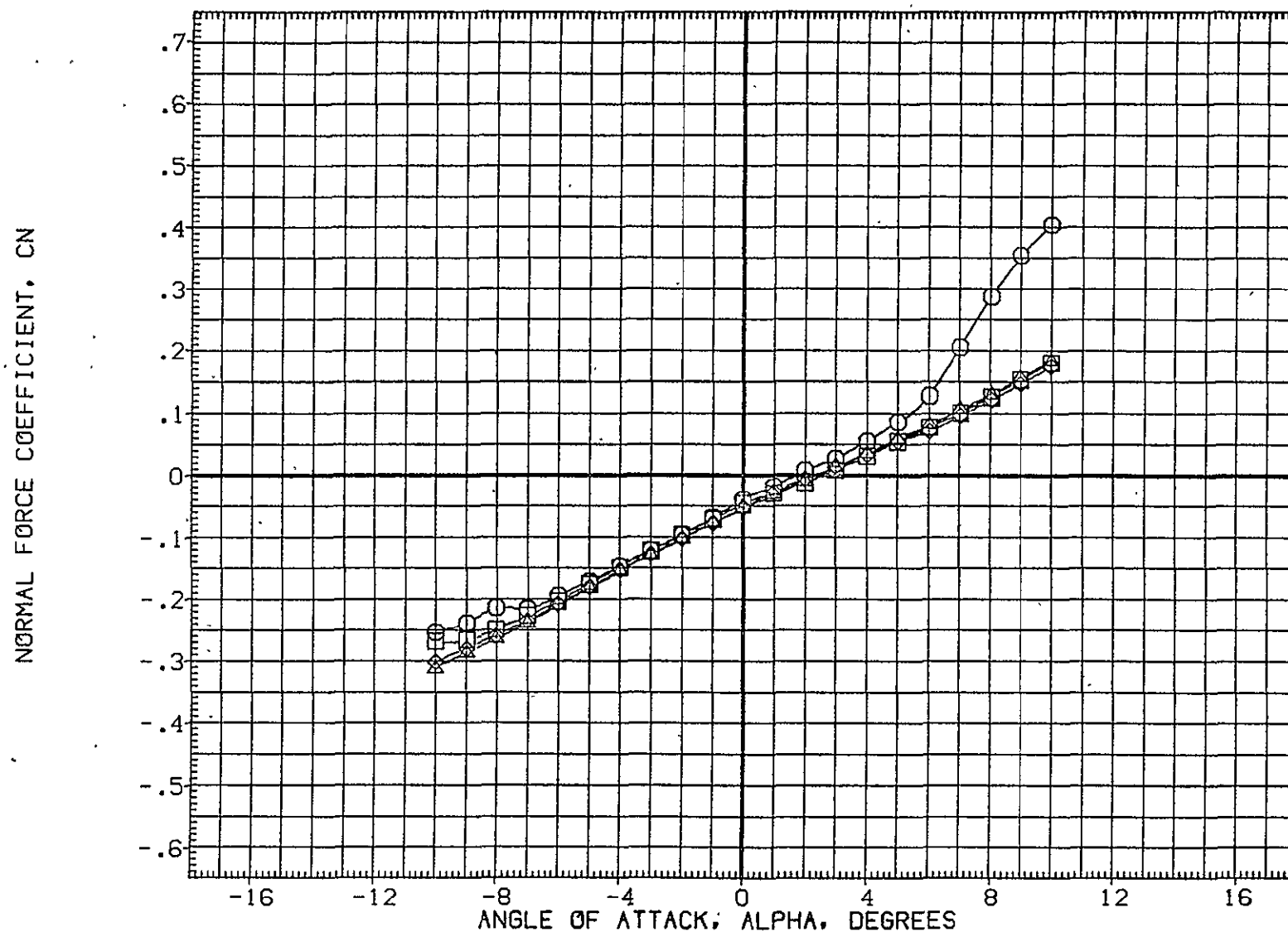


EFFECT OF DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.

(A)MACH = 4.50

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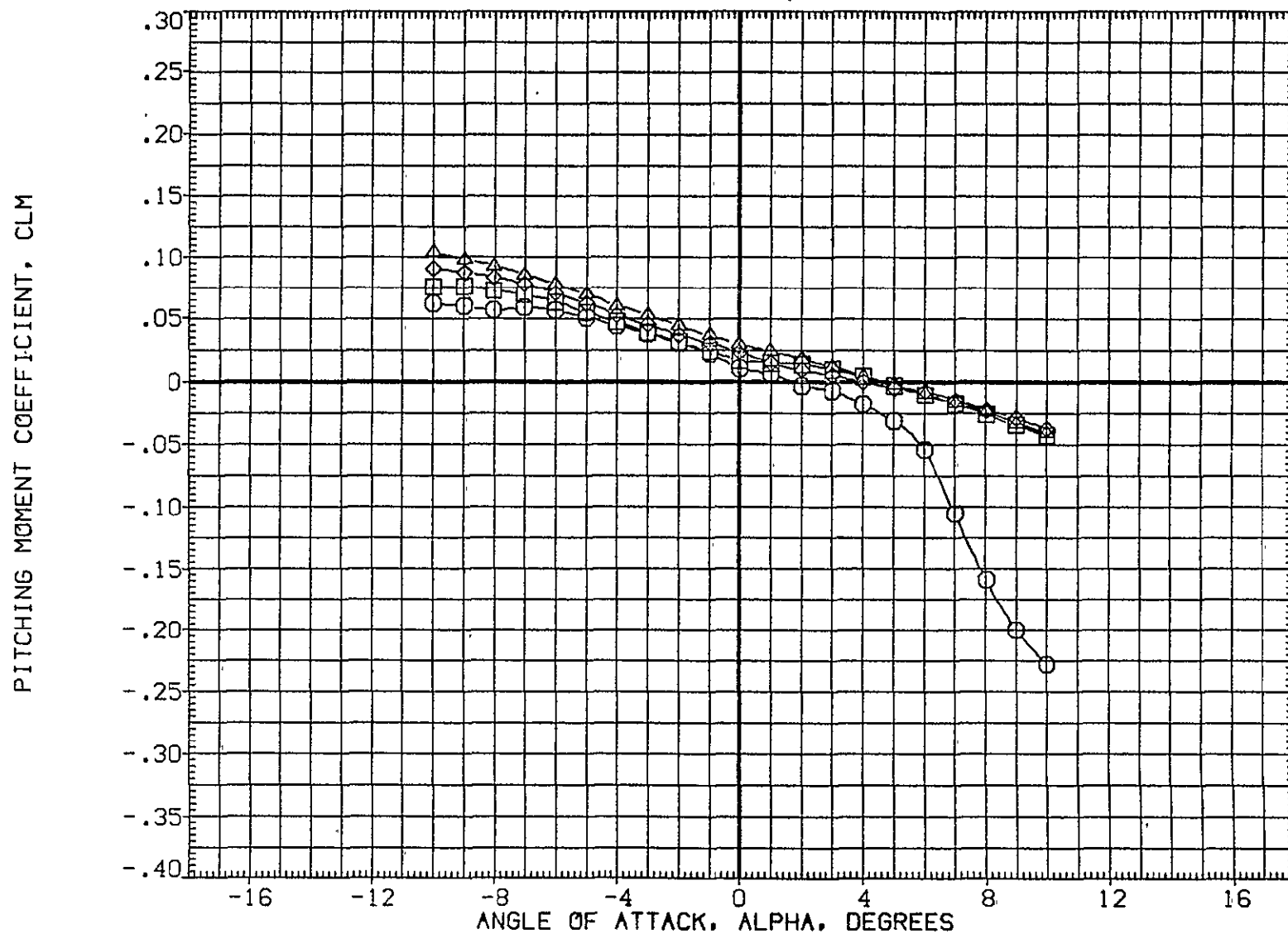
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0071)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	3.300	1500.000	1.760	.000	SREF	2690.0000	50.FT.
(RT0069)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	3.300	750.000	1.760	.000	LREF	1290.3000	IN.
(RT0057)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	3.300	.000	1.760	.000	BREF	1290.3000	IN.
(ATL001)	AEDC VA-422(1A-57). ISOLATED ORB/ET			1.760	.000	XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0071)	○ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	3.300	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(RT0069)	□ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	3.300	750.000	1.760	.000	LREF	1290.3000	IN.
(RT0057)	△ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	3.300	.000	1.760	.000	BREF	1290.3000	IN.
(ATL001)	△ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

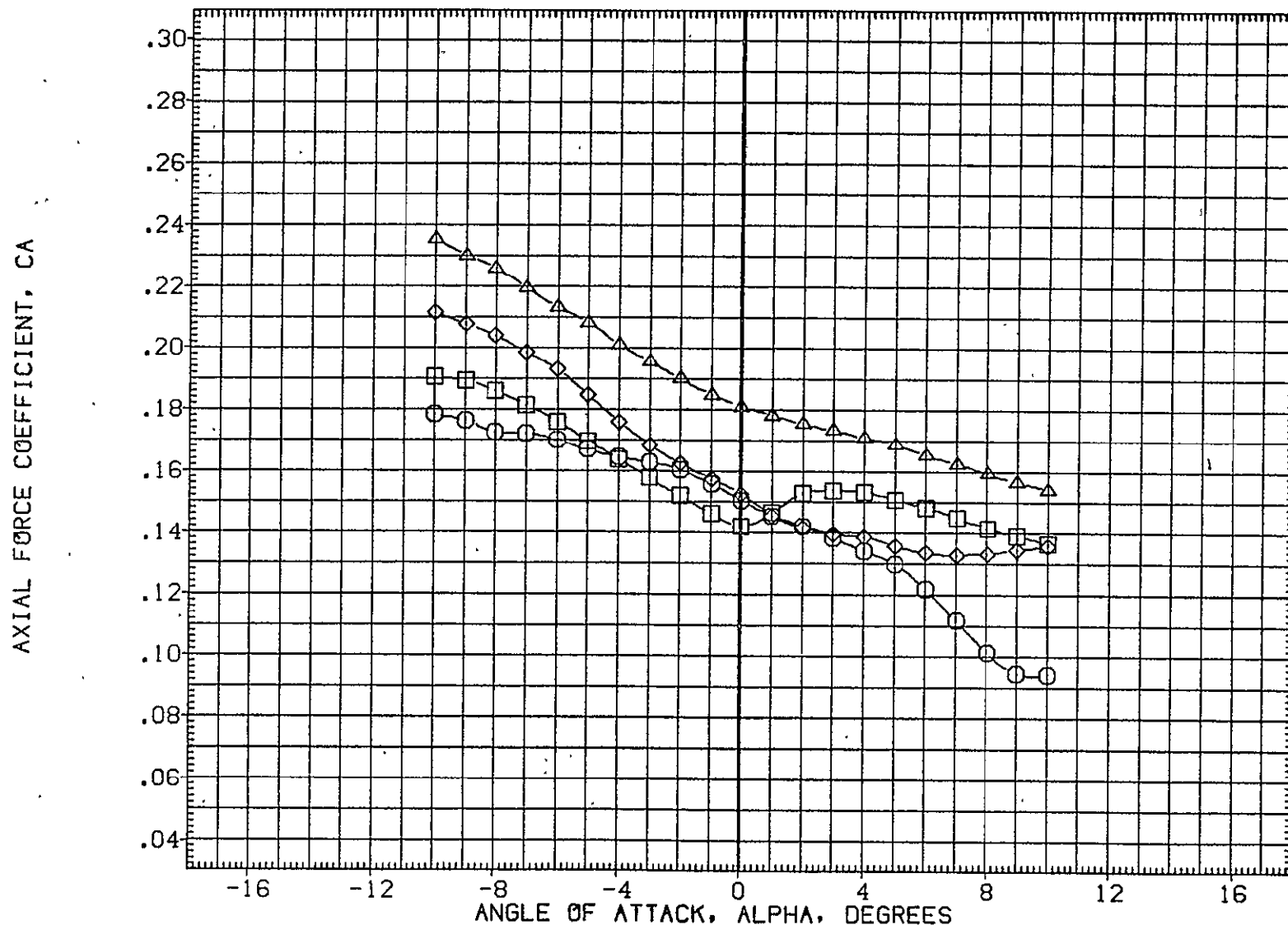


EFFECT OF DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.

(A)MACH = 4.50

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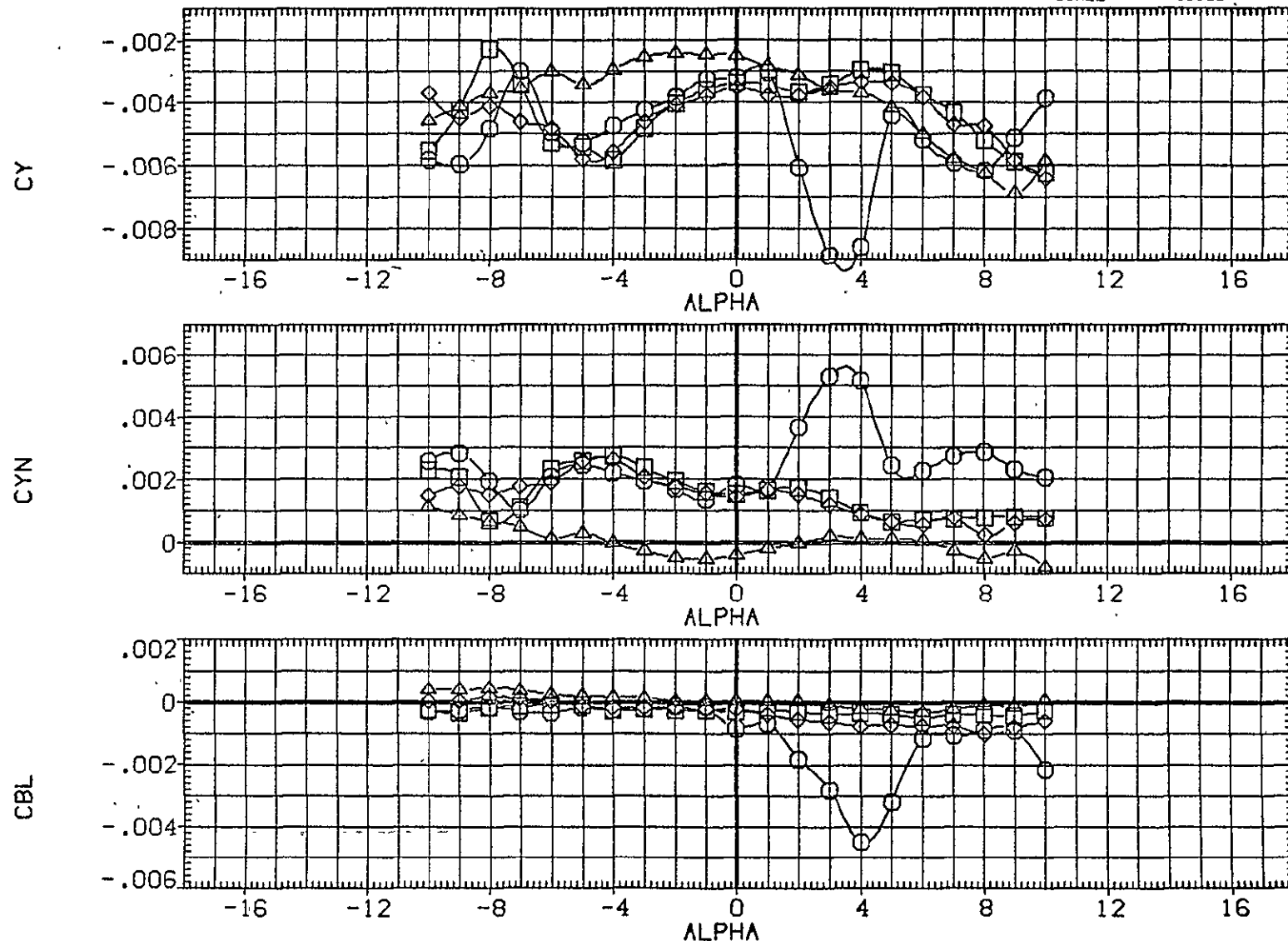
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RT0071)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	3.300	1500.000	1.760	.000	SREF	2690.0000	50.FT.
(RT0069)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	3.300	750.000	1.760	.000	LREF	1290.3000	IN.
(RT0057)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	3.300	.000	1.760	.000	BREF	1290.3000	IN.
(ATL001)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(RTQ071)	AEDC VA422 IA61 O1ET1S1 O/ET DATA (SRB SEPRNG)	3.300	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(RTQ069)	AEDC VA422 IA61 O1ET1S1 O/ET DATA (SRB SEPRNG)	3.300	750.000	1.760	.000	LREF	1290.3000	IN.
(RTQ057)	AEDC VA422 IA61 O1ET1S1 O/ET DATA (SRB SEPRNG)	3.300	.000	1.760	.000	BREF	1290.3000	IN.
(ATL001)	AEDC VA-422(IA-57), ISOLATED ORB/ET			1.760	.000	XMRP	1052.0000	IN.YT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

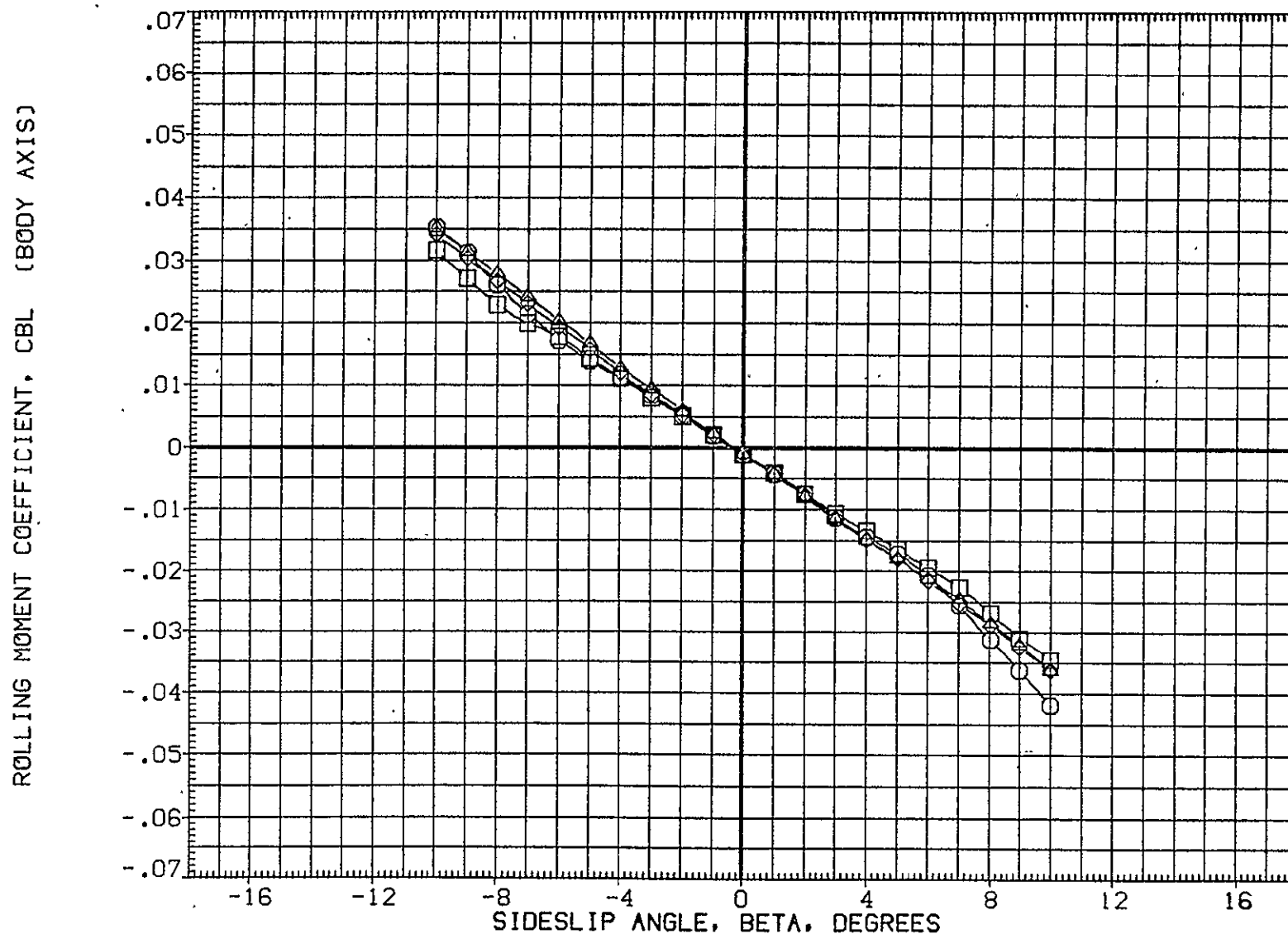


EFFECT OF DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RTQ072)	⊙ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	3.300	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(RTQ070)	□ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	3.300	750.000	1.760	.000	LREF	1290.3000	IN.
(RTQ058)	◇ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)	3.300	.000	1.760	.000	BREF	1290.3000	IN.
(ATL002)	△ AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	

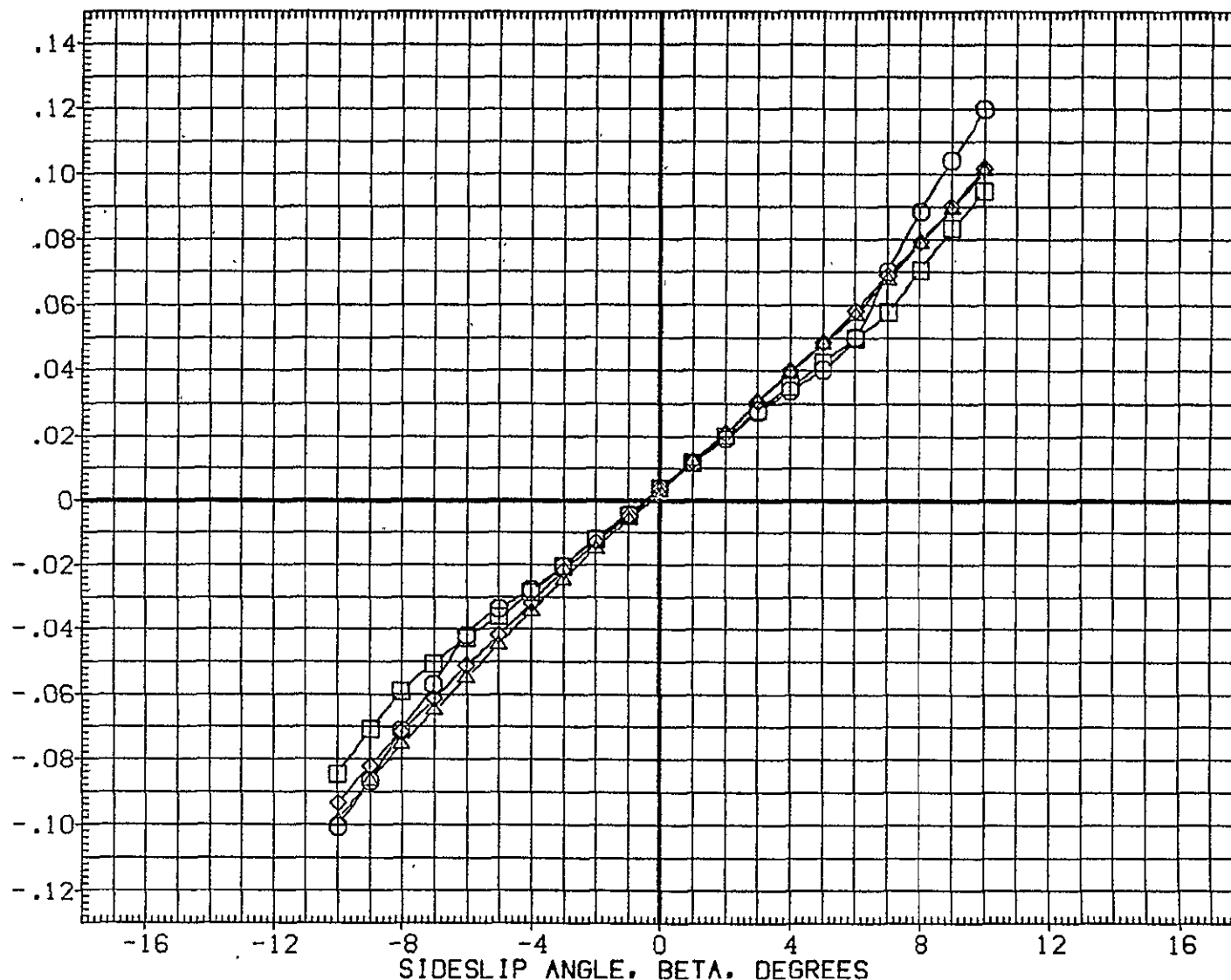


EFFECT OF DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(RT0072)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRTNG)	3.300	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(RT0070)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRTNG)	3.300	750.000	1.760	.000	LREF	1290.3000 IN.
(RT0058)	AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRTNG)	3.300	.000	1.760	.000	BREF	1290.3000 IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	XMRP	1052.0000 IN.XT
						YMRP	.0000 IN.YT
						ZMRP	447.0000 IN.ZT
						SCALE	.0100

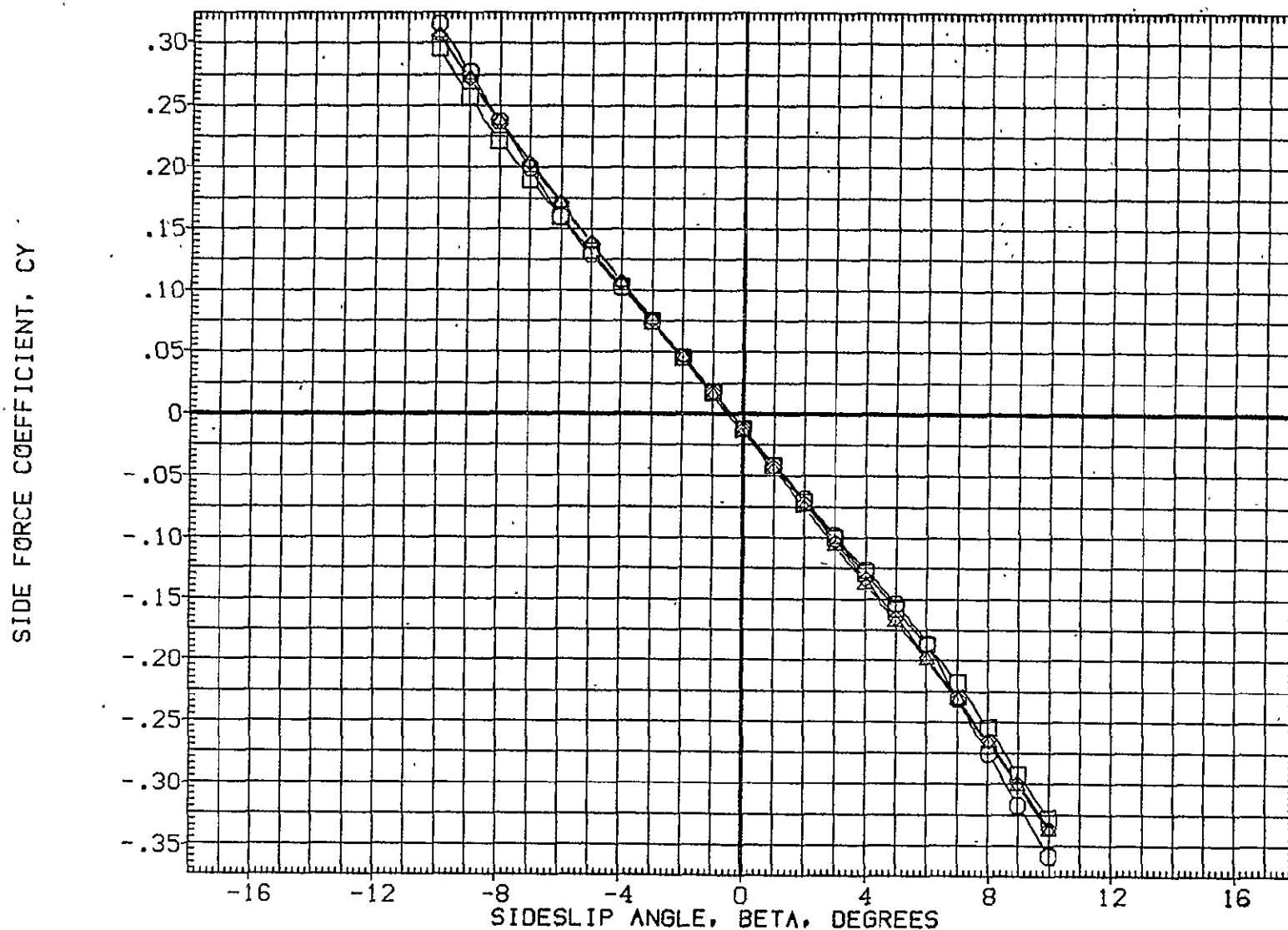
YAWING MOMENT COEFFICIENT, CYN (BODY AXIS)



EFFECT OF DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.

(A)MACH = 4.50

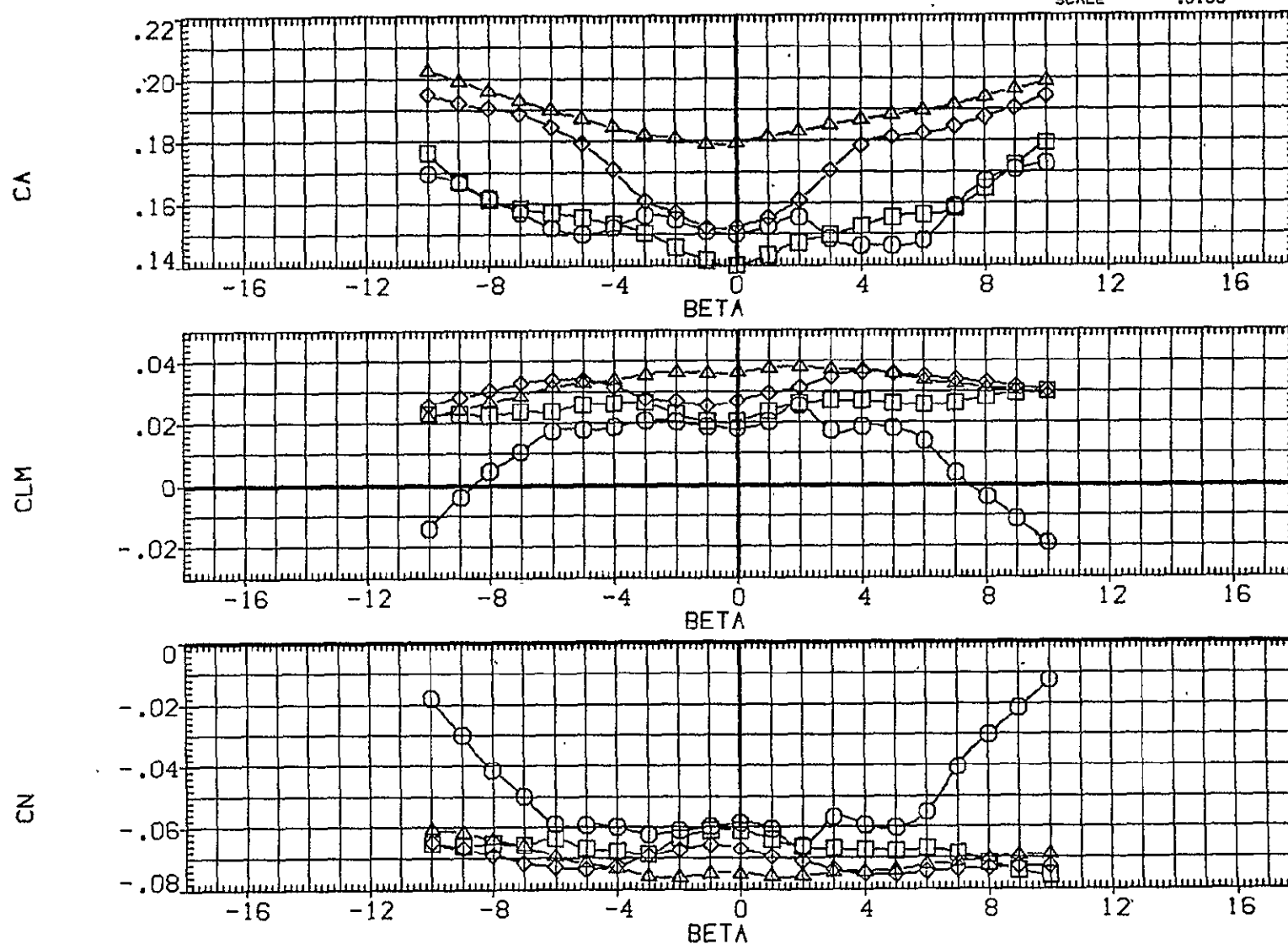
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RTQ072)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	3.300	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(RTQ070)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	3.300	750.000	1.760	.000	LREF	1290.3000	IN.
(RTQ058)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	3.300	.000	1.760	.000	BREF	1290.3000	IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF DUAL SRB ENGINE PLUMES ON 0/ET AERO CHARACT.

(A)MACH = 4.50

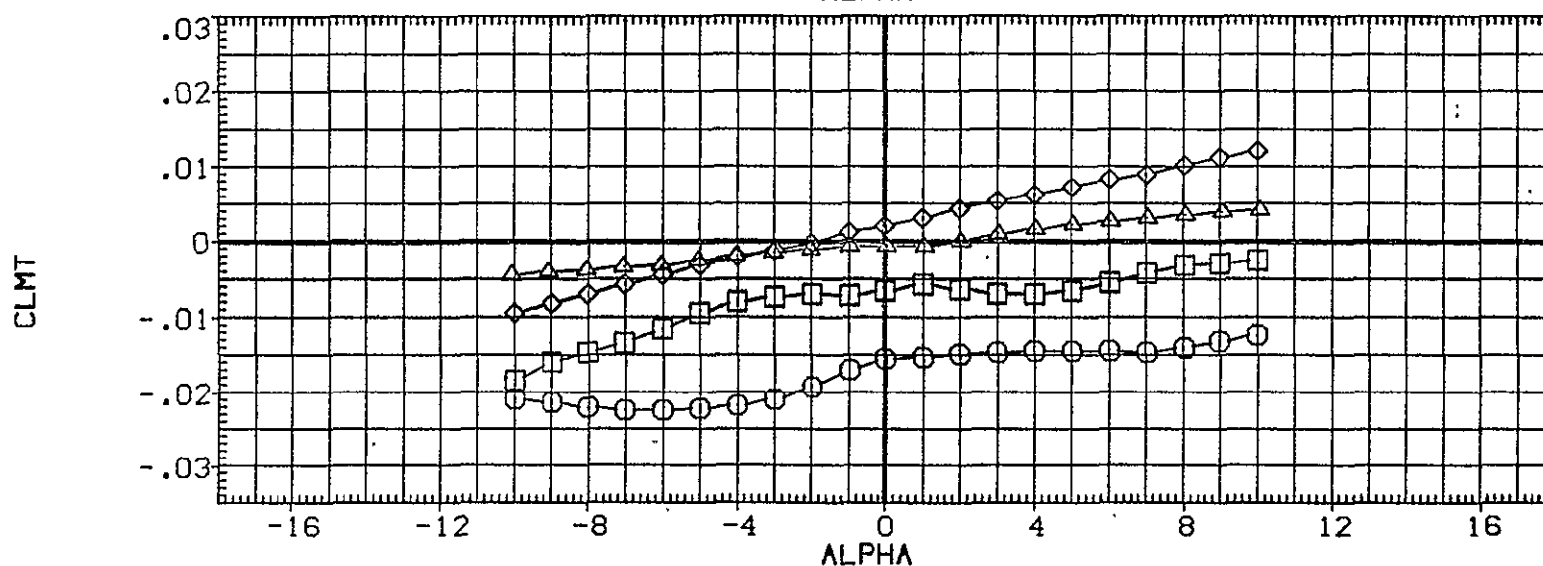
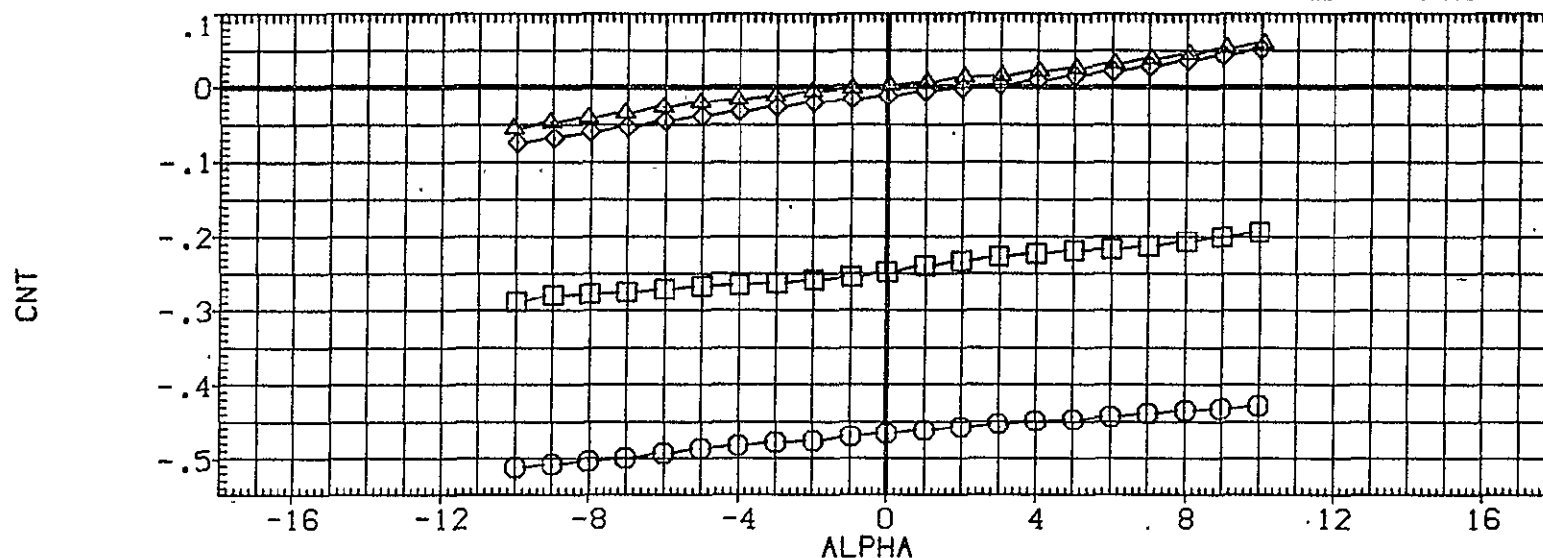
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(RTQ072)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	3.300	1500.000	1.760	.000	SREF	2690.0000	50.FT.
(RTQ070)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	3.300	750.000	1.760	.000	LREF	1290.3000	IN.
(RTQ058)	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)	3.300	.000	1.760	.000	BREF	1290.3000	IN.
(ATL002)	AEDC VA-422(1A-57), ISOLATED ORB/ET			1.760	.000	XMRP	1052.0000	IN.XT
						YMRP	.0000	IN.YT
						ZMRP	447.0000	IN.ZT
						SCALE	.0100	



EFFECT OF DUAL SRB ENGINE PLUMES ON O/ET AERO CHARACT.

(A)MACH = 4.50

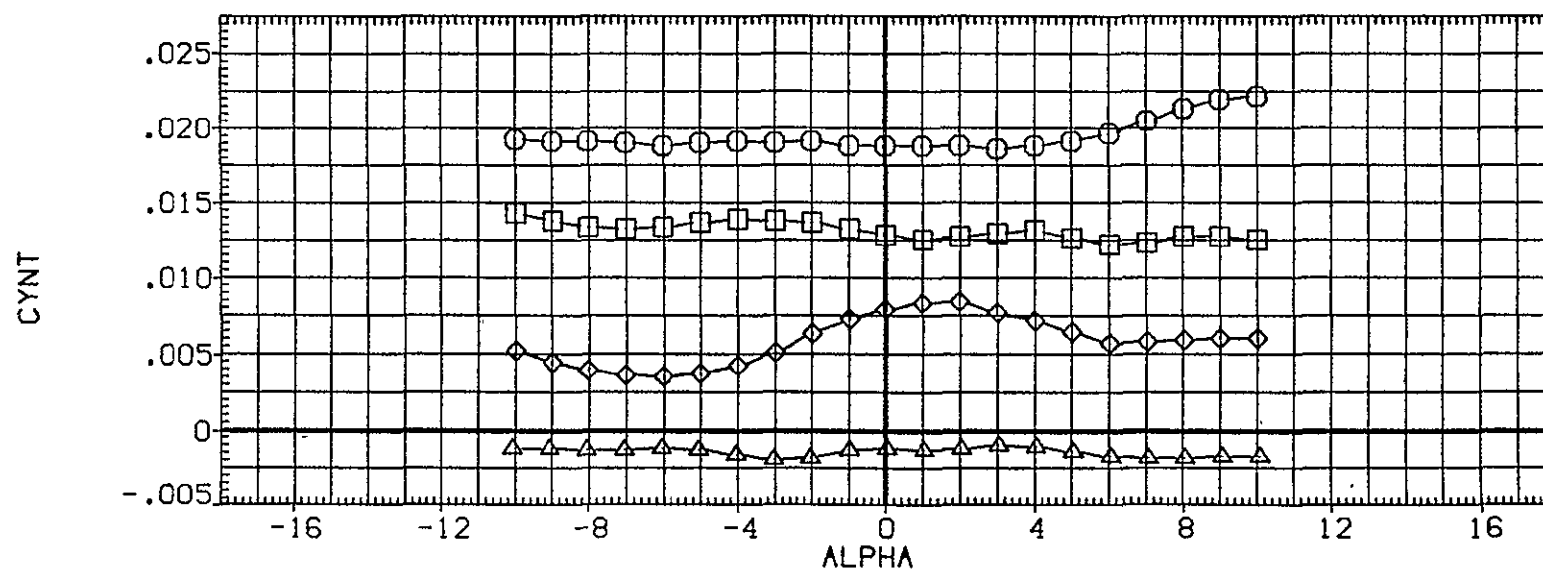
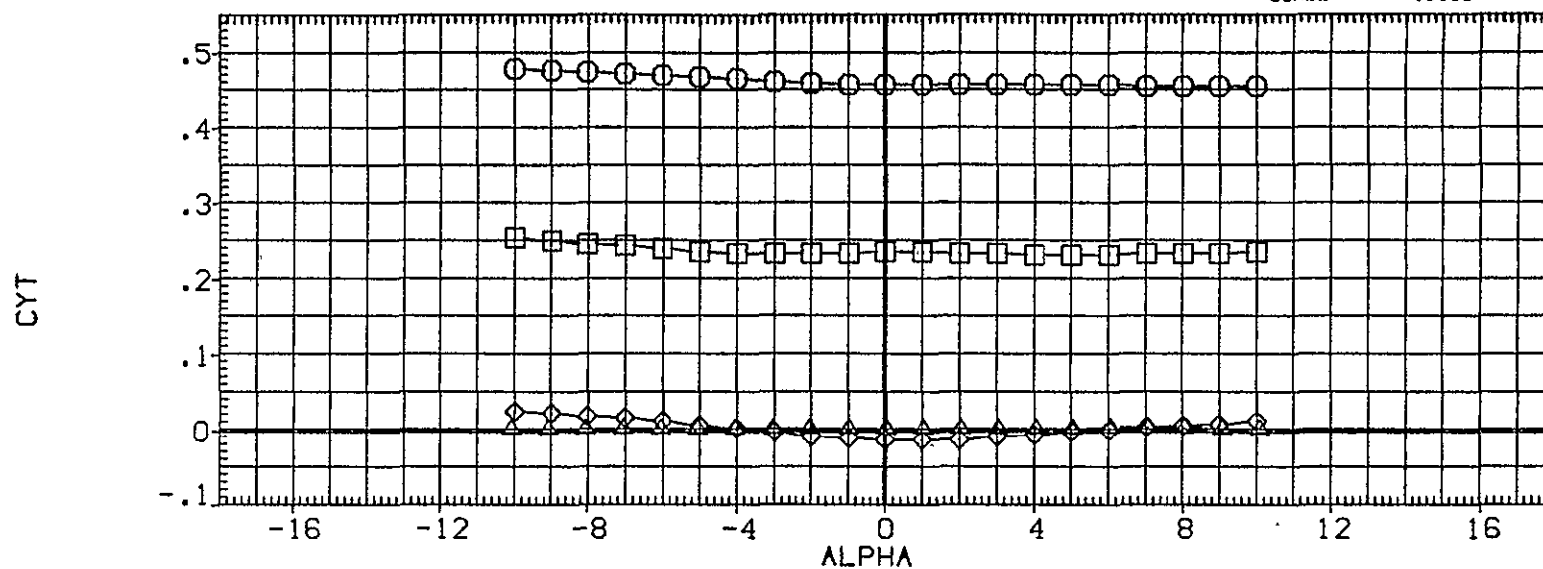
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(ST0042)	AEDC VA422 IA61 01ET1S1 SRB DATA (O/ET SEPRNG)	1.100	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ST0040)	AEDC VA422 IA61 01ET1S1 SRB DATA (O/ET SEPRNG)	1.100	750.000	1.760	.000	LREF	1290.3000 IN.
(ST0022)	AEDC VA422 IA61 01ET1S1 SRB DATA (O/ET SEPRNG)	1.100	.000	1.760	.000	BREF	1290.3000 IN.
(AT0007)	AEDC VA422 IA61 S1 RIGHT AND LEFT SRB	1.100	.000	1.760	.000	XMRP	1167.0000 IN.XS
						YMRP	.0000 IN.YS
						ZMRP	400.0000 IN.ZS
						SCALE	.0100



EFFECT OF DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT.

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(STQ042)	○ AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)	1.100	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(STQ040)	□ AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)	1.100	750.000	1.760	.000	LREF	1290.3000	IN.
(STQ022)	◇ AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)	1.100	.000	1.760	.000	BREF	1290.3000	IN.
(ATQ007)	△ AEDC VA422 1A61 S1 RIGHT AND LEFT SRB	1.100	.000	1.760	.000	XMRP	1167.0000	IN.XS
						YMRP	.0000	IN.YS
						ZMRP	400.0000	IN.ZS
						SCALE	.0100	

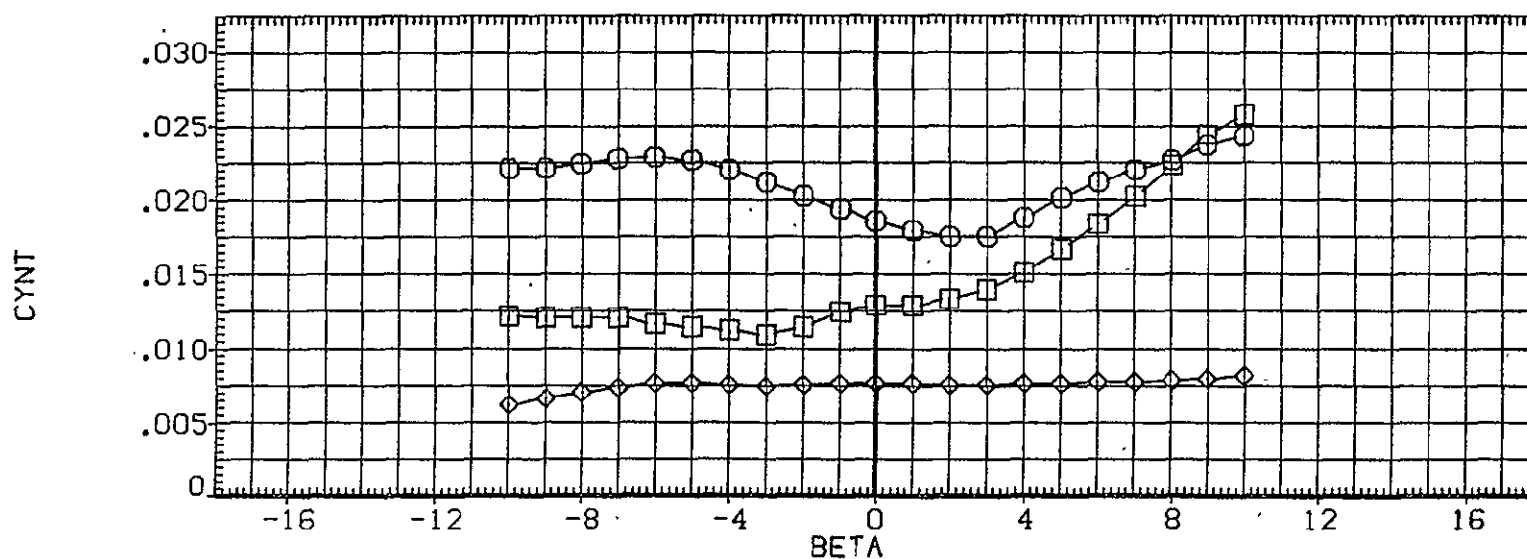
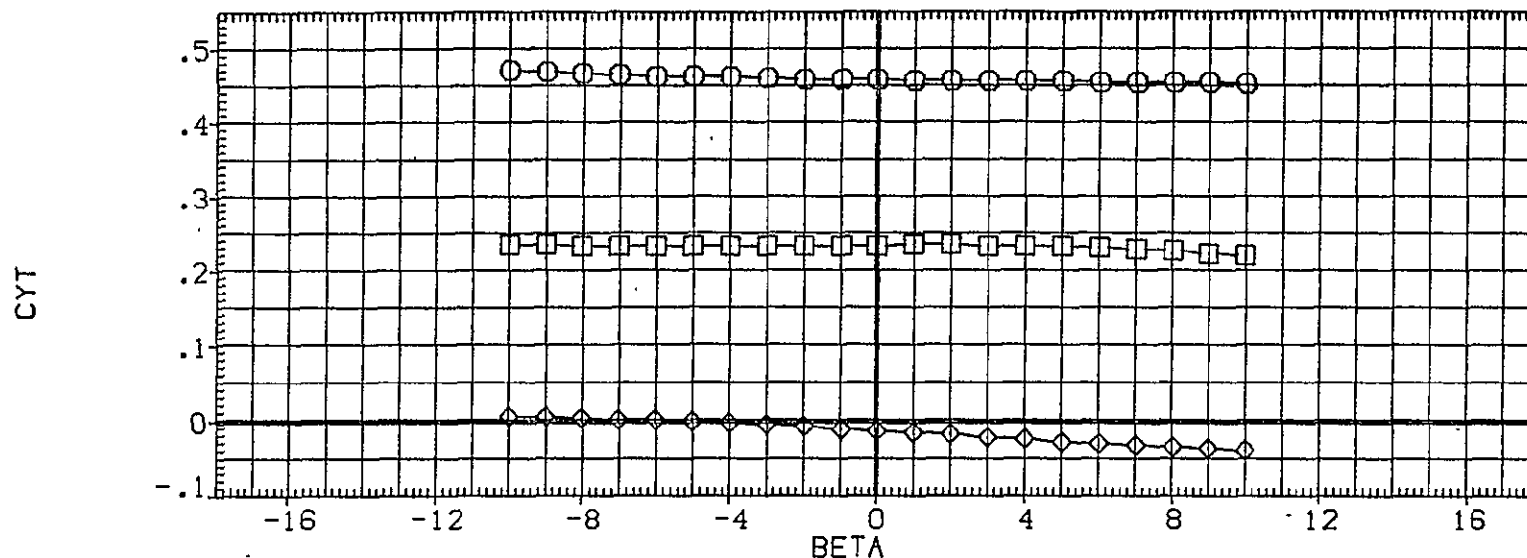


EFFECT OF DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT.

(A)MACH = 4.50

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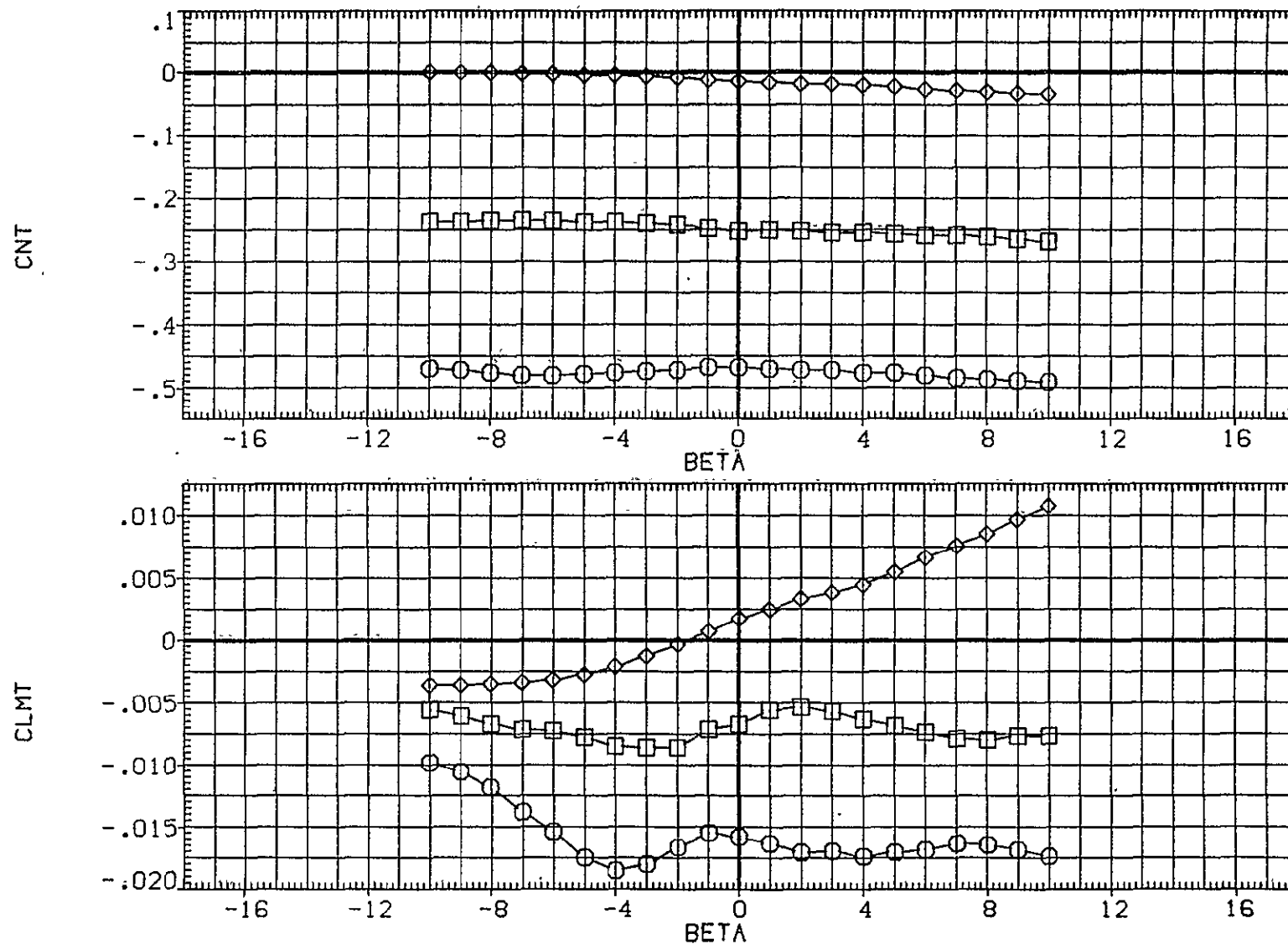
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(STQ045)	AEDC VA422 IAG1 01ET1S1 SRB DATA (O/ET SEPRNG)	1.100	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(STQ041)	AEDC VA422 IAG1 01ET1S1 SRB DATA (O/ET SEPRNG)	1.100	750.000	1.760	.000	LREF	1290.3000 IN.
(STQ023)	AEDC VA422 IAG1 01ET1S1 SRB DATA (O/ET SEPRNG)	1.100	.000	1.760	.000	BREF	1290.3000 IN.
						XMRP	1167.0000 IN.XS
						YMRP	.0000 IN.YS
						ZMRP	400.0000 IN.ZS
						SCALE	.0100



EFFECT OF DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT.

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(ST0045)	○ AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)	1.100	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ST0041)	□ AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)	1.100	750.000	1.760	.000	LREF	1290.3000 IN.
(ST0023)	◇ AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)	1.100	.000	1.760	.000	BREF	1290.3000 IN.
						XMRP	1167.0000 IN.XS
						YMRP	.0000 IN.YS
						ZMRP	400.0000 IN.ZS
						SCALE	.0100

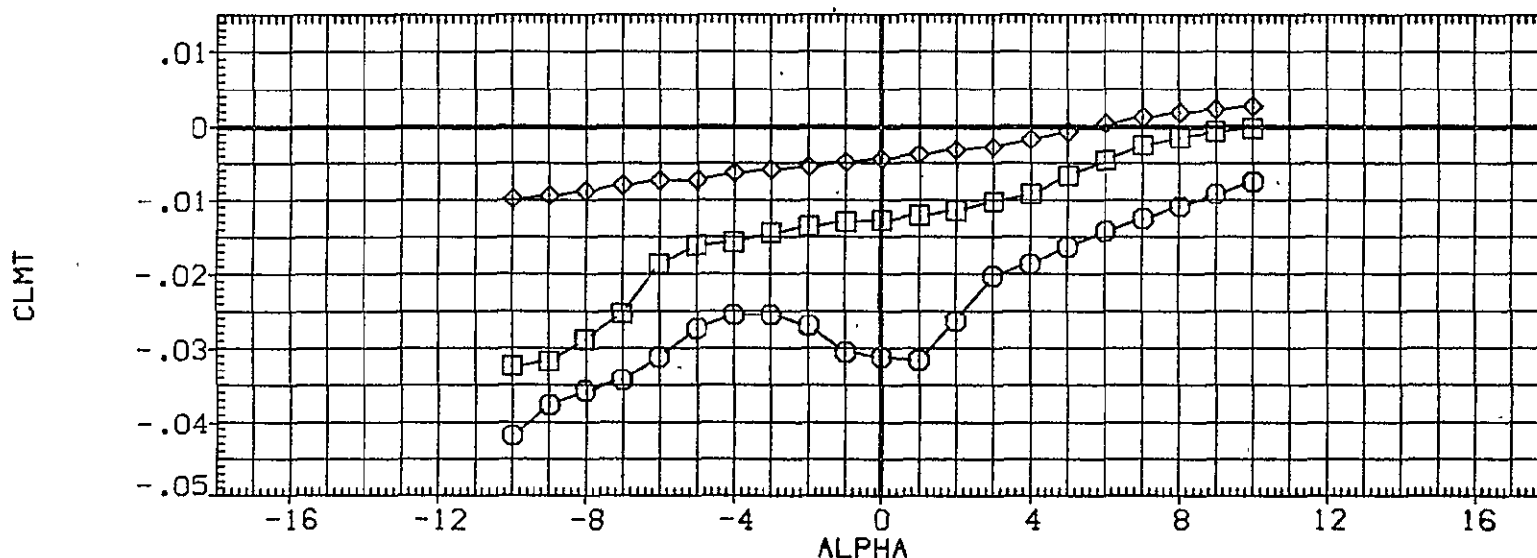
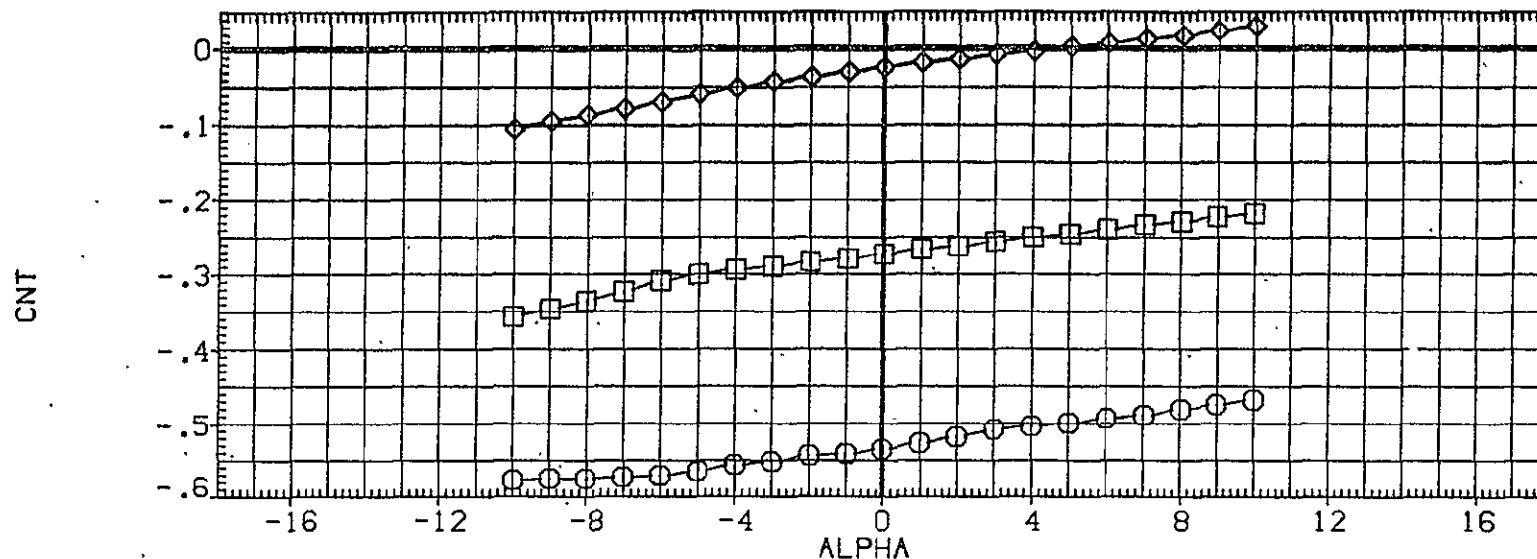


EFFECT OF DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT.

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION	
(ST0054)	○ AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRTING)	2.200	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(ST0052)	□ AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRTING)	2.200	750.000	1.760	.000	LREF	1290.3000 IN.
(ST0047)	◇ AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRTING)	2.200	.000	1.760	.000	BREF	1290.3000 IN.
						XM RP	1167.0000 IN.XS
						YM RP	.0000 IN.YS
						ZM RP	400.0000 IN.ZS
						SCALE	.0100

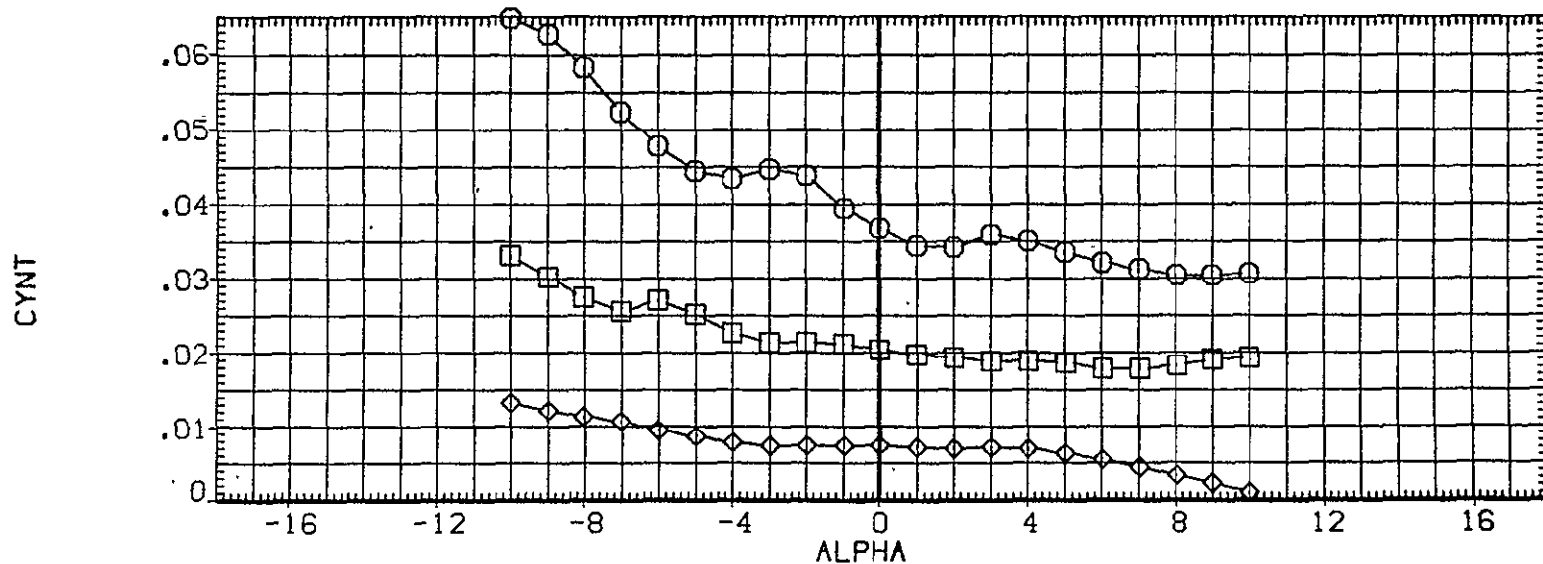
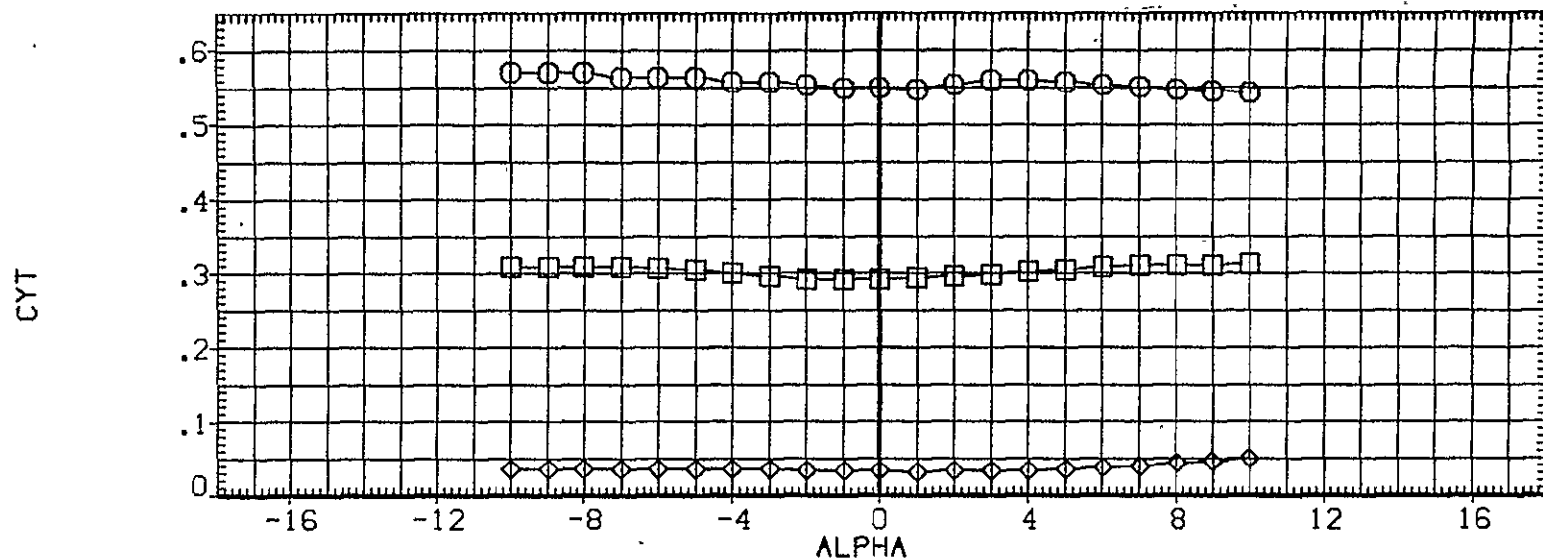


EFFECT OF DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT.

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION
(STQ054)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	2.200	1500.000	1.760	.000	SREF 2690.0000 SQ.FT.
(STQ052)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	2.200	750.000	1.760	.000	LREF 1290.3000 IN.
(STQ047)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	2.200	.000	1.760	.000	BREF 1290.3000 IN.
						XMRP 1167.0000 IN.XS
						YMRP .0000 IN.YS
						ZMRP 400.0000 IN.ZS
						SCALE .0100

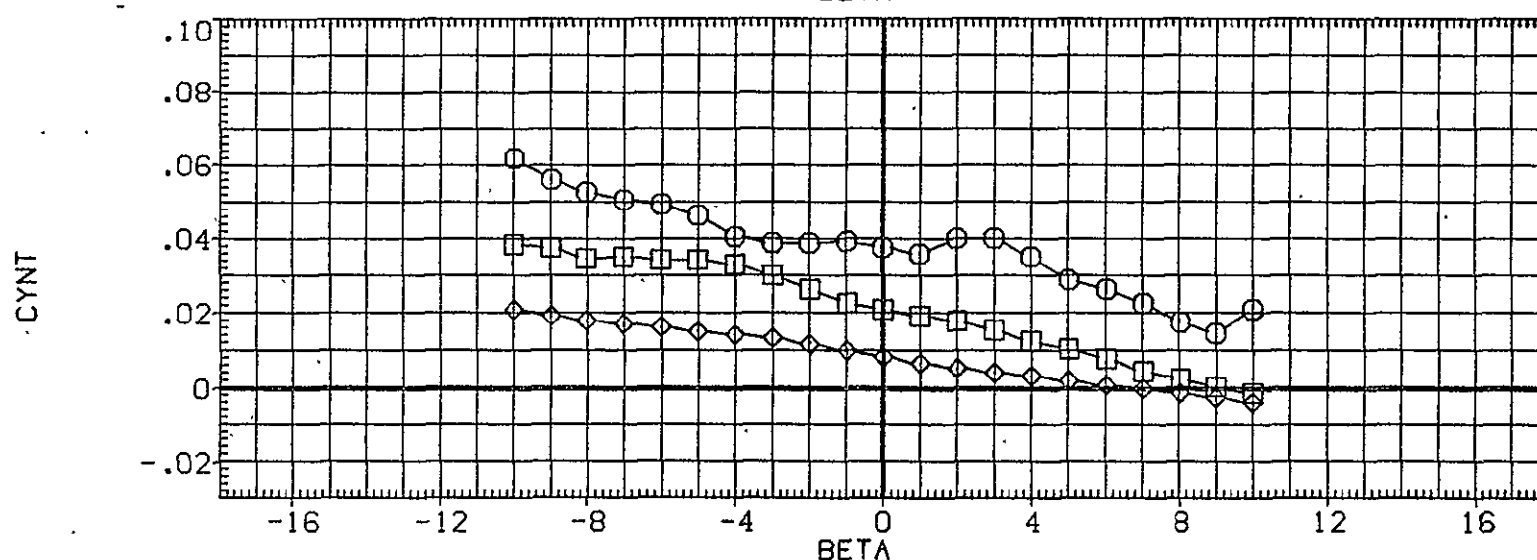
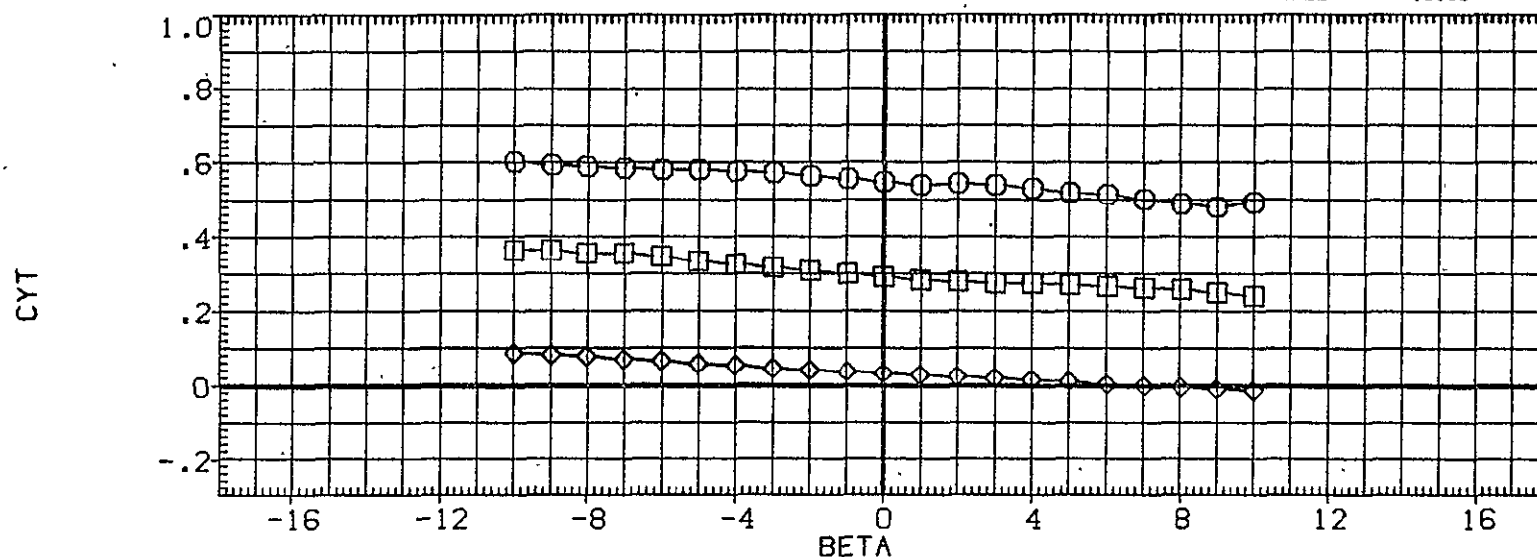


EFFECT OF DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT.

(A)MACH = 4.50

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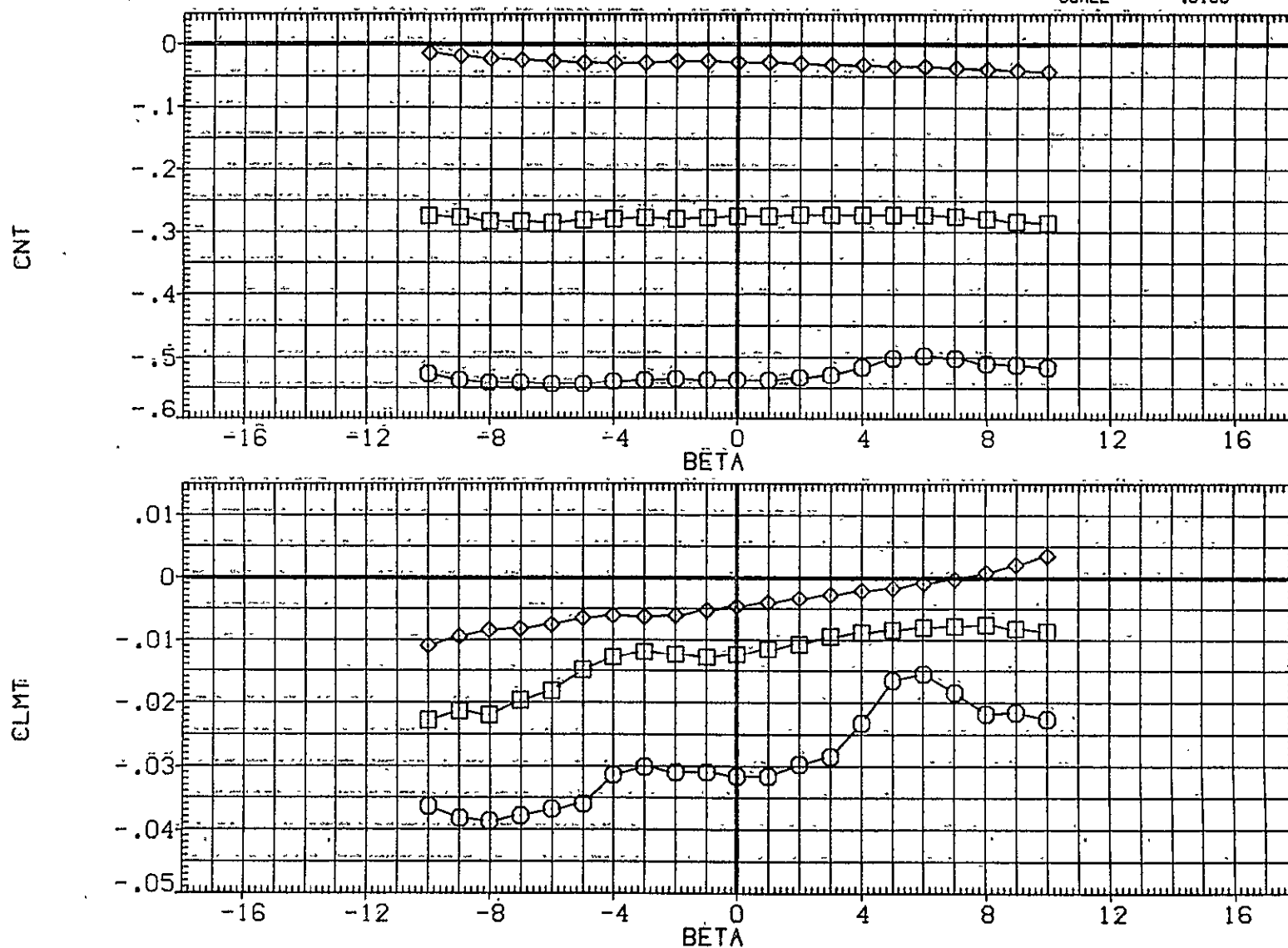
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(STQ056)	○ AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	2.200	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(STQ053)	□ AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	2.200	750.000	1.760	.000	LREF	1290.3000 IN.
(STQ048)	◇ AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	2.200	.000	1.760	.000	BREF	1290.3000 IN.
						XMRP	1167.0000 IN.XS
						YMRP	.0000 IN.YS
						ZMRP	400.0000 IN.ZS
						SCALE	.0100



EFFECT OF DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT.

(A)MACH = 4.50

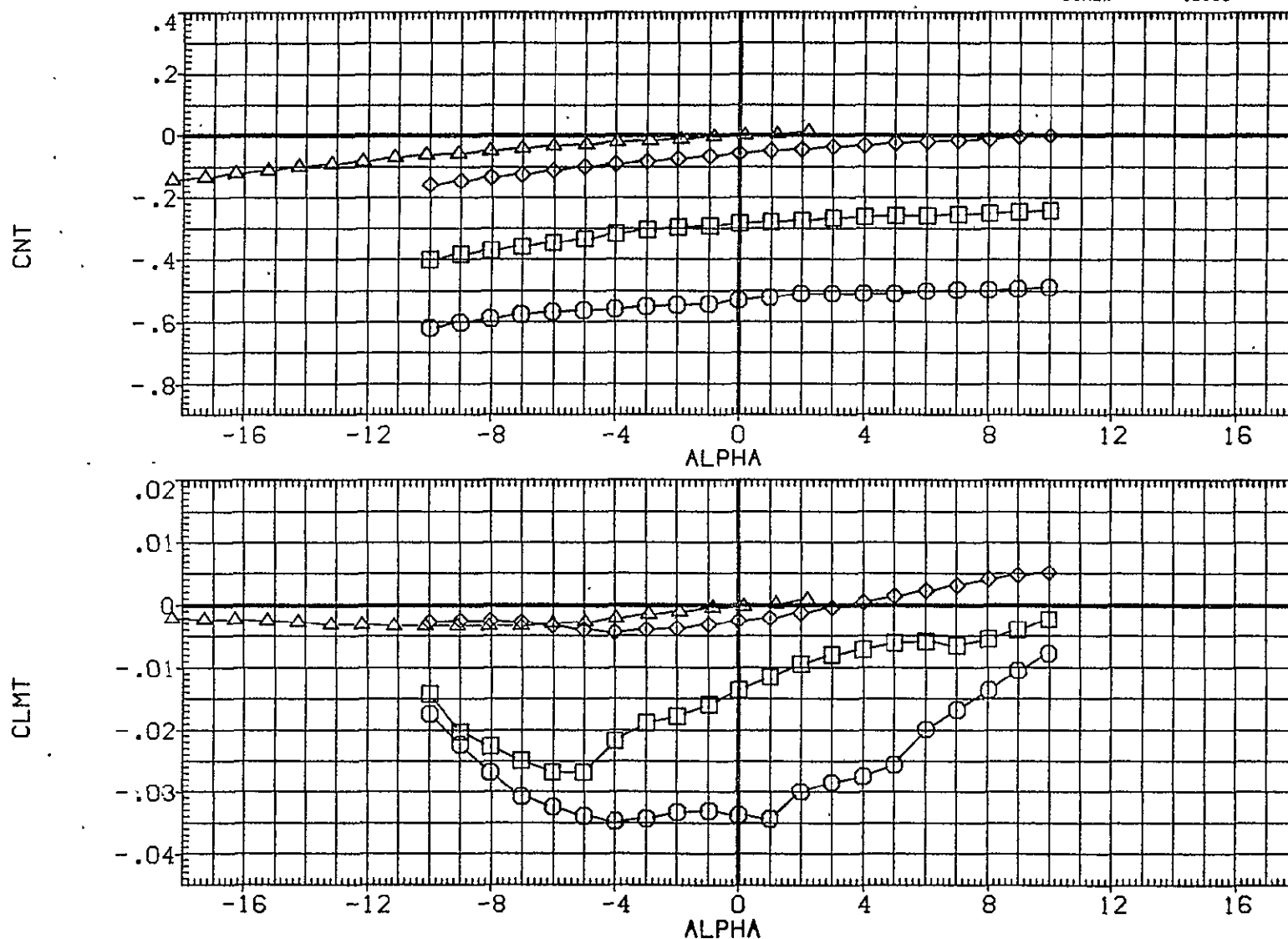
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRB POS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(ST0056)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	2.200	1500.000	1.760	.000	SREF	2690.0000	50.FT.
(ST0053)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	2.200	750.000	1.760	.000	LREF	1290.3000	IN.
(ST0048)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	2.200	.000	1.760	.000	BREF	1290.3000	IN.
						XMRP	1167.0000	IN.XS
						YMRP	.0000	IN.YS
						ZMRP	400.0000	IN.ZS
						SCALE	.0100	



EFFECT OF DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT.

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(ST0071)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	3.300	1500.000	1.760	.000	SREF	2690.0000	SQ.FT.
(ST0069)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	3.300	750.000	1.760	.000	LREF	1290.3000	IN.
(ST0057)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	3.300	.000	1.760	.000	BREF	1290.3000	IN.
(AT0012)	AEDC VA422 1A61 S1 RIGHT AND LEFT SRB	3.300	.000	1.760	.000	XMRP	1167.0000	IN.XS
						YMRP	.0000	IN.YS
						ZMRP	400.0000	IN.ZS
						SCALE	.0100	

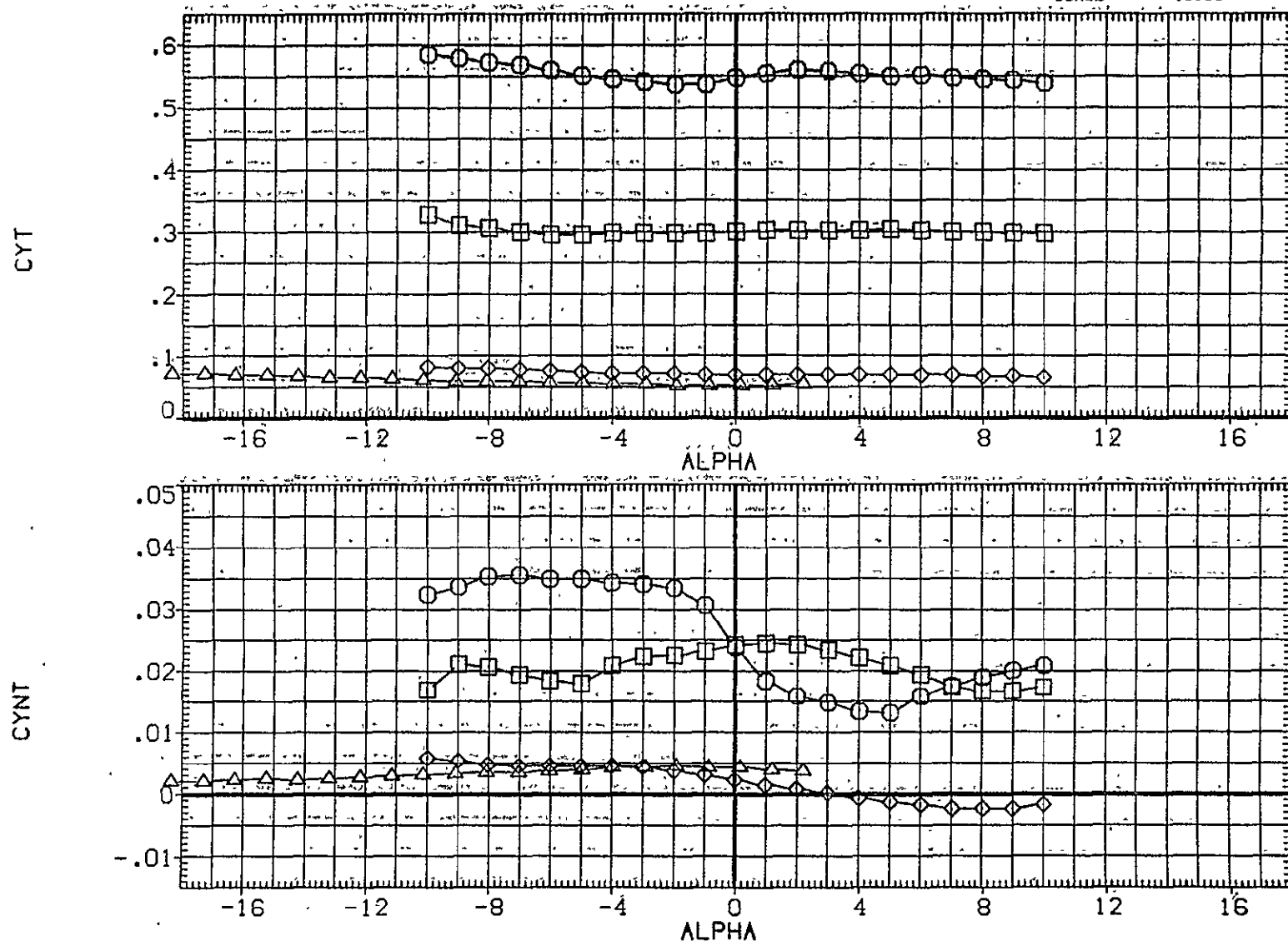


EFFECT OF DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT.

(A)MACH = 4.50

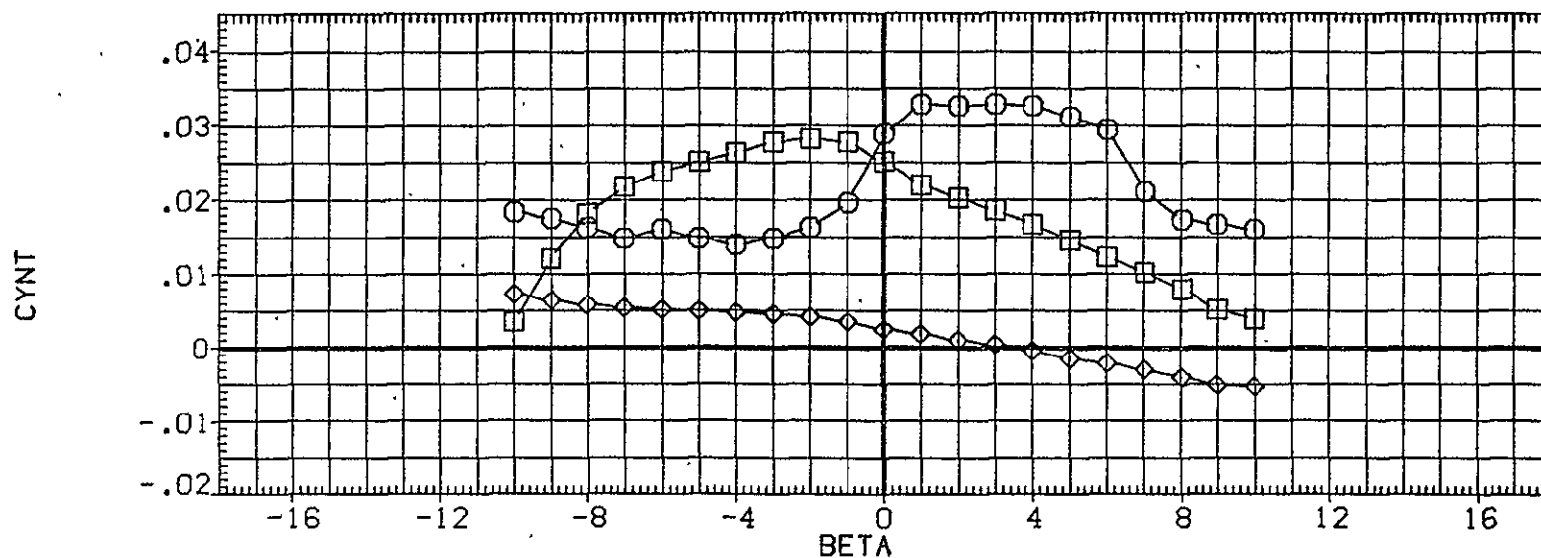
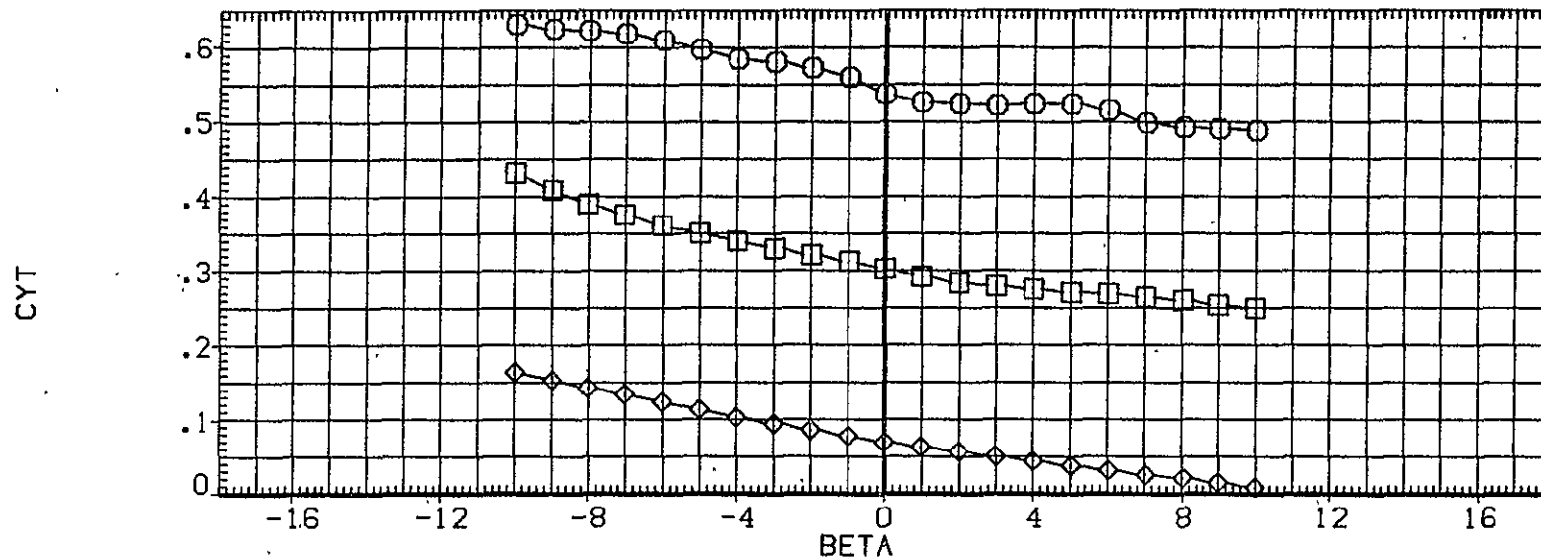
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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	BETA	REFERENCE INFORMATION		
(STQ071)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	3.300	1500.000	1.760	.000	SREF	2690.0000	50.FT.
(STQ069)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	3.300	750.000	1.760	.000	LREF	1290.3000	IN.
(STQ057)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	3.300	.000	1.760	.000	BREF	1290.3000	IN.
(ATQ012)	AEDC VA422 1A61 S1 RIGHT AND LEFT SRB	3.300	.000	1.760	.000	XMRP	1167.0000	IN.XS
						YMRP	.0000	IN.YS
						ZMRP	400.0000	IN.ZS
						SCALE	.0100	



EFFECT OF DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT.
 (A)MACH = 4.50

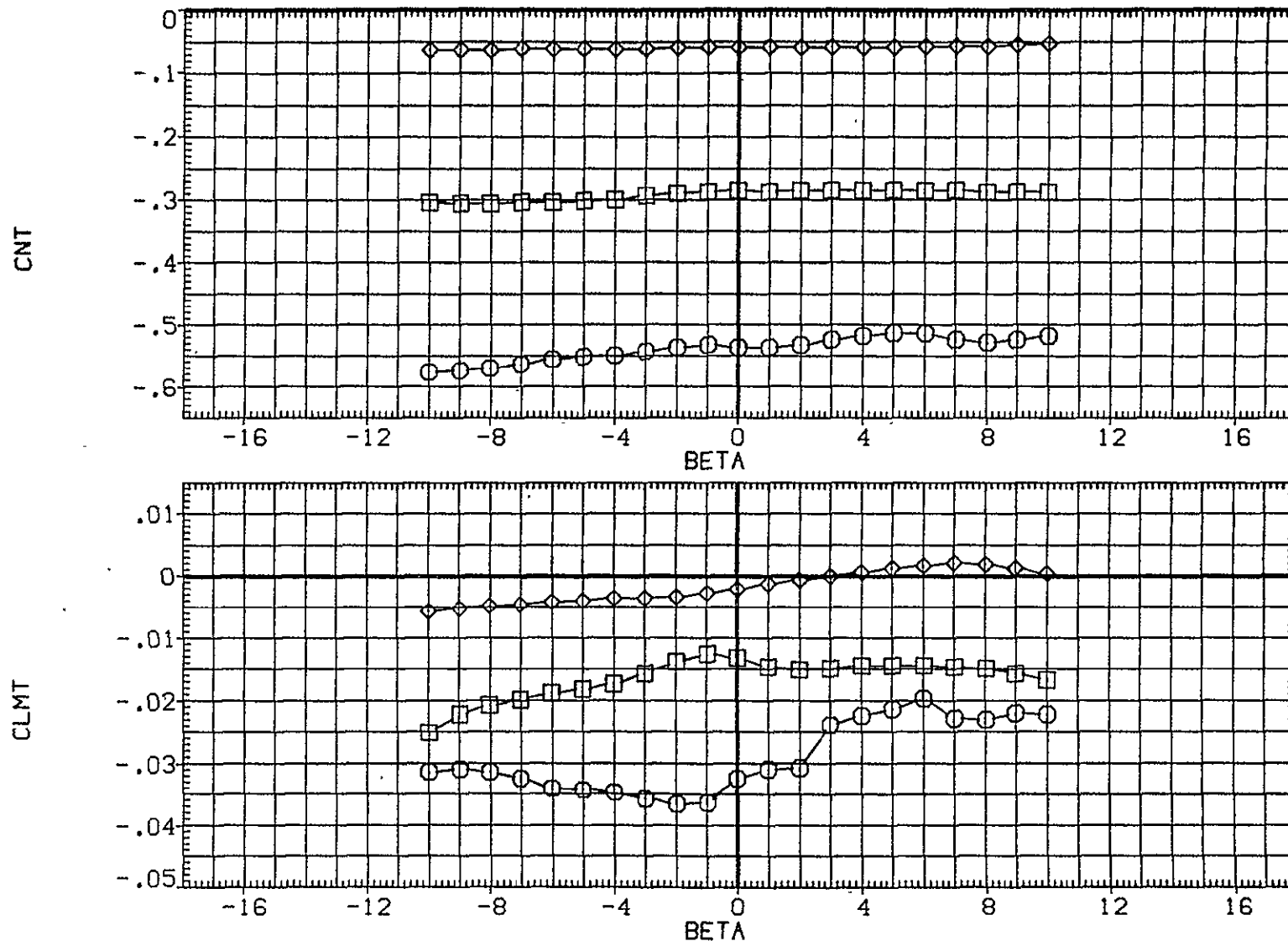
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION		
(STQ072)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTING)	3.300	1500.000	1.760	.000	SREF	2690.0000	50.FT.
(STQ070)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTING)	3.300	750.000	1.760	.000	LREF	1290.3000	IN.
(STQ058)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTING)	3.300	.000	1.760	.000	BREF	1290.3000	IN.
						XMRR	1167.0000	IN.XS
						YMRR	.0000	IN.YS
						ZMRR	400.0000	IN.ZS
						SCALE	.0100	



EFFECT OF DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT.

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	SRBPOS	PT-JET	RN/L	ALPHA	REFERENCE INFORMATION	
(STQ072)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	3.300	1500.000	1.760	.000	SREF	2690.0000 SQ.FT.
(STQ070)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	3.300	750.000	1.760	.000	LREF	1290.3000 IN.
(STQ058)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	3.300	.000	1.760	.000	BREF	1290.3000 IN.
						XMRP	1167.0000 IN.XS
						YMRP	.0000 IN.YS
						ZMRP	400.0000 IN.ZS
						SCALE	.0100

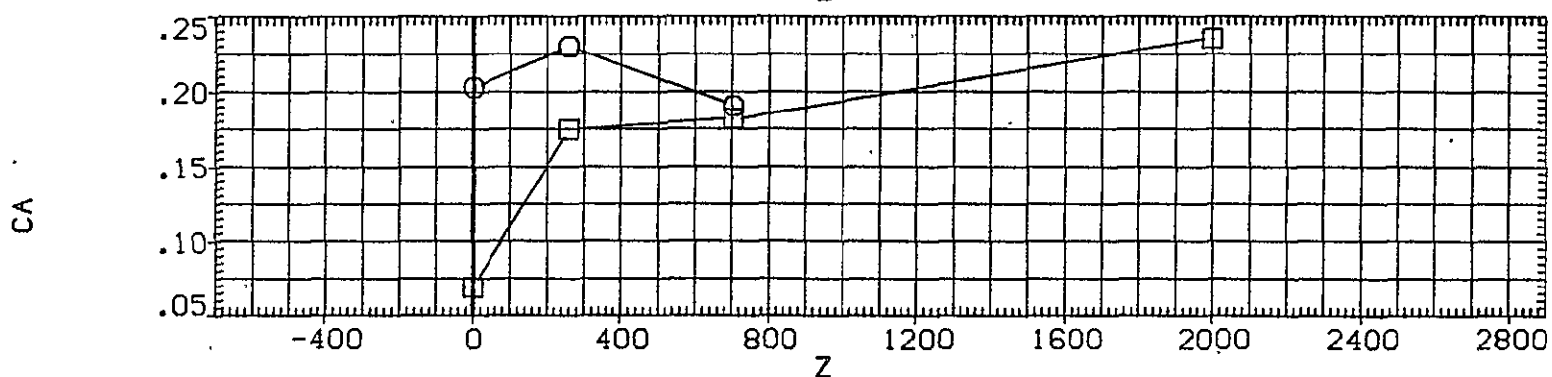
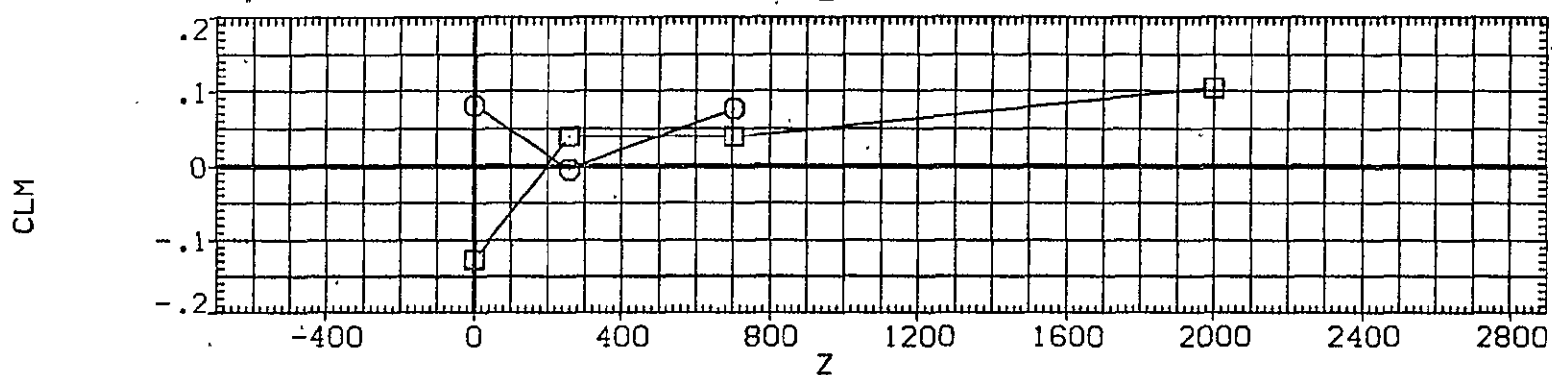
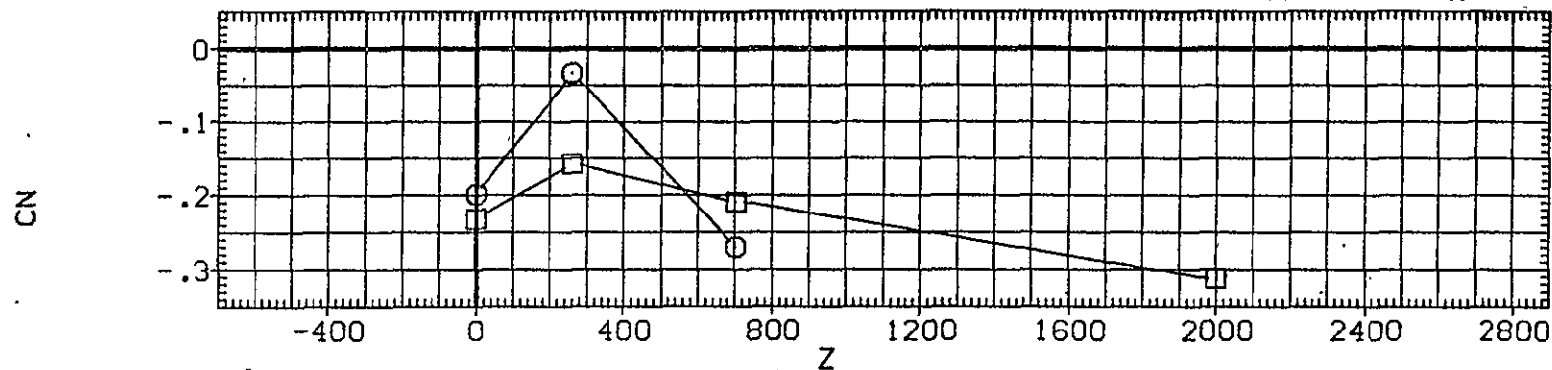


EFFECT OF DUAL SRB ENGINE PLUMES ON SRB AERO CHARACT.
 (A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0140) ○ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)
 (RTL136) □ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 -10.000 .000
 -10.000 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON O/ET AERO CHARACT. (RN/L=1.76,PJ=750)

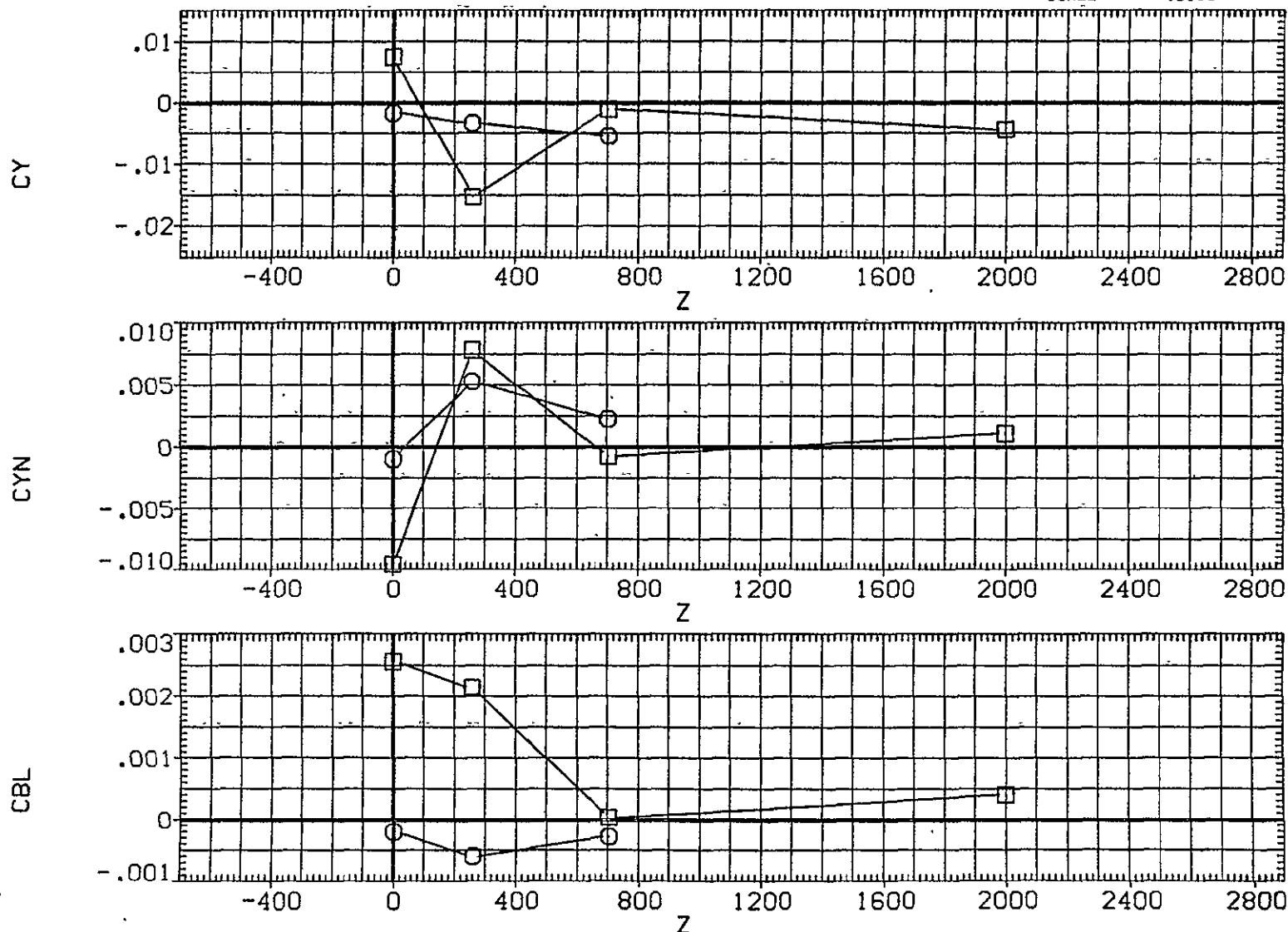
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RTD140) ○ AEDC VA422 1A61 O/ET DATA (SRB SEPRNG)
 (RTL136) □ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 -10.000 .000
 -10.000 .000

REFERENCE INFORMATION
 SREF 2690.0000 50.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON O/ET AERO CHARACT. (RN/L=1.76, PJ=750)

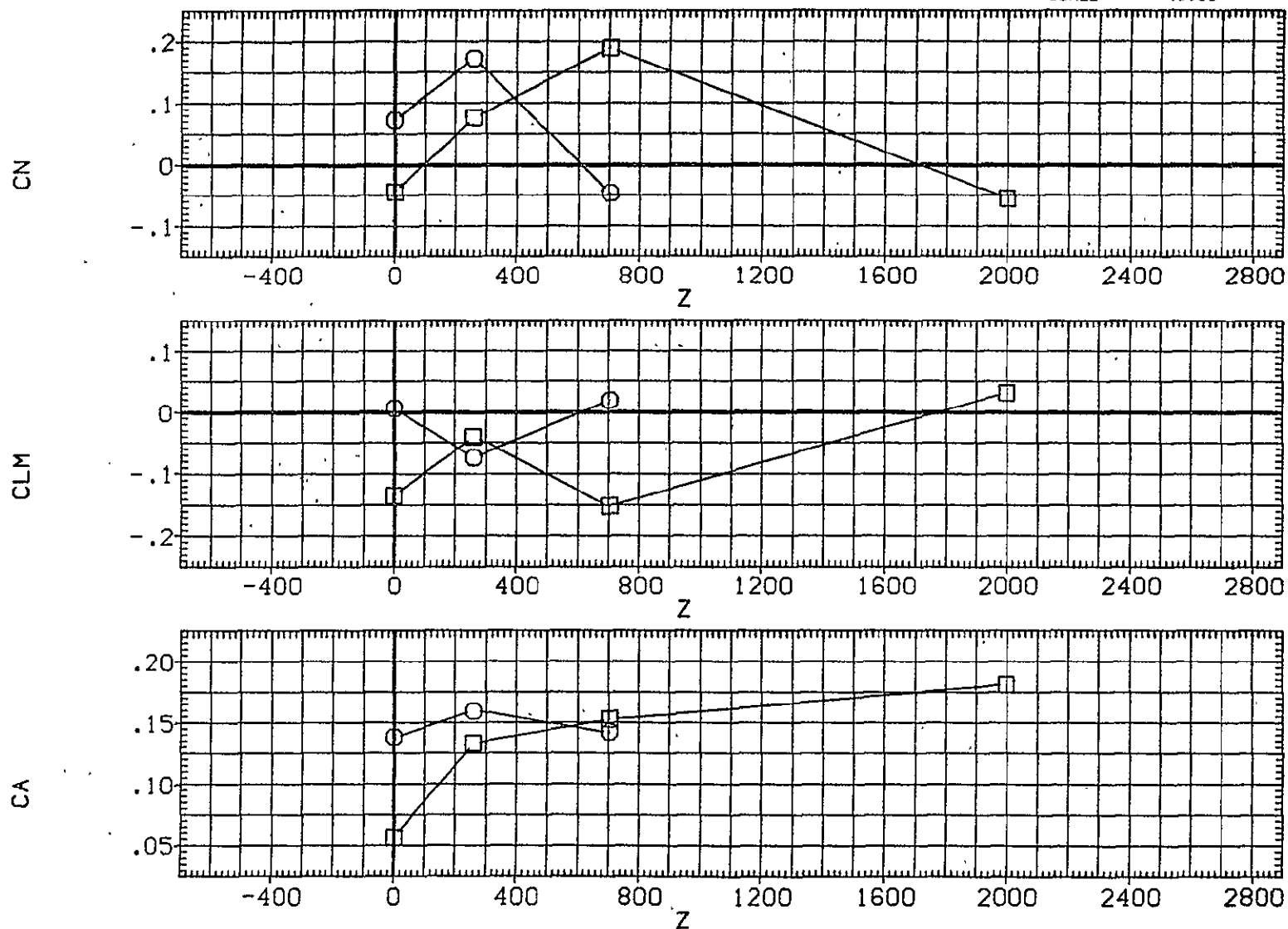
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RTQ240) ○ AEOC VA422 1A61 O/ET DATA (SRB SEPRNG)
 (RTL236) □ AEOC VA-422(1A-57). ORB/ET W/BOTH SRB

ALPHA BETA
 .000 .000
 .000 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON O/ET AERO CHARACT. (RN/L=1.76,PJ=750)

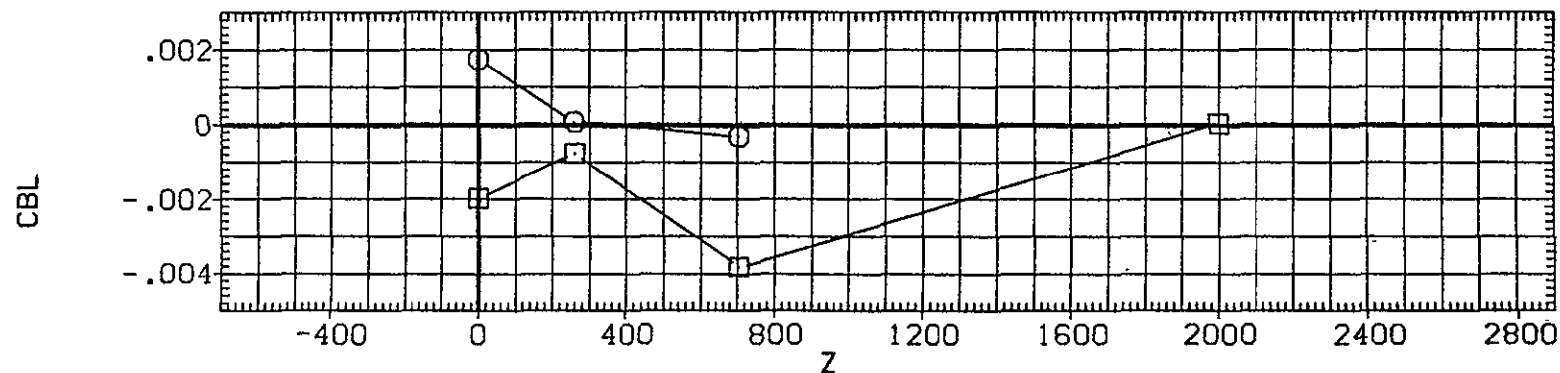
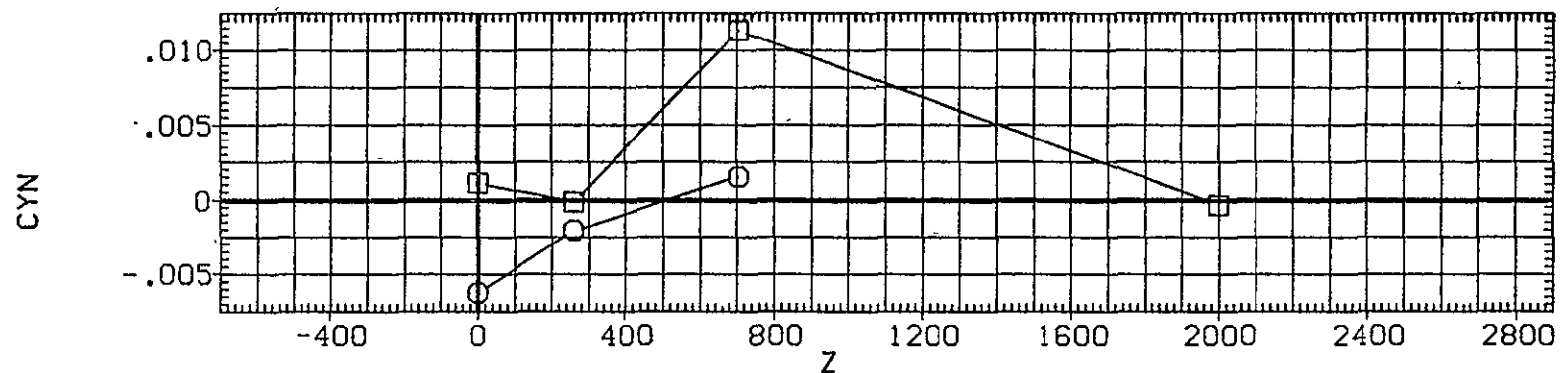
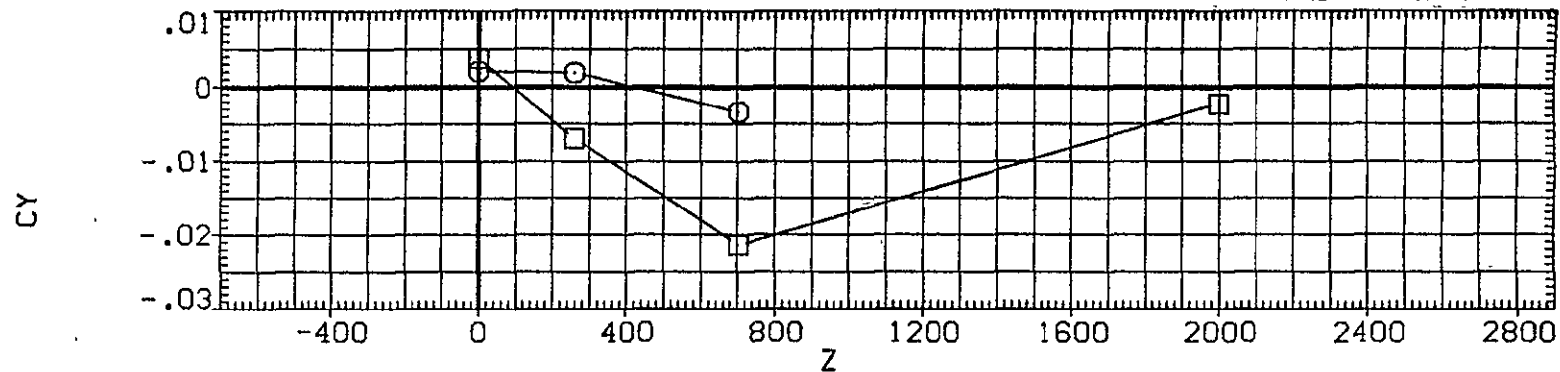
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RTQ240) ☐ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)
 (RTL236) ☐ AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB

ALPHA BETA
 .000 .000
 .000 .000



REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON 0/ET AERO CHARACT. (RN/L=1.76,PJ=750)

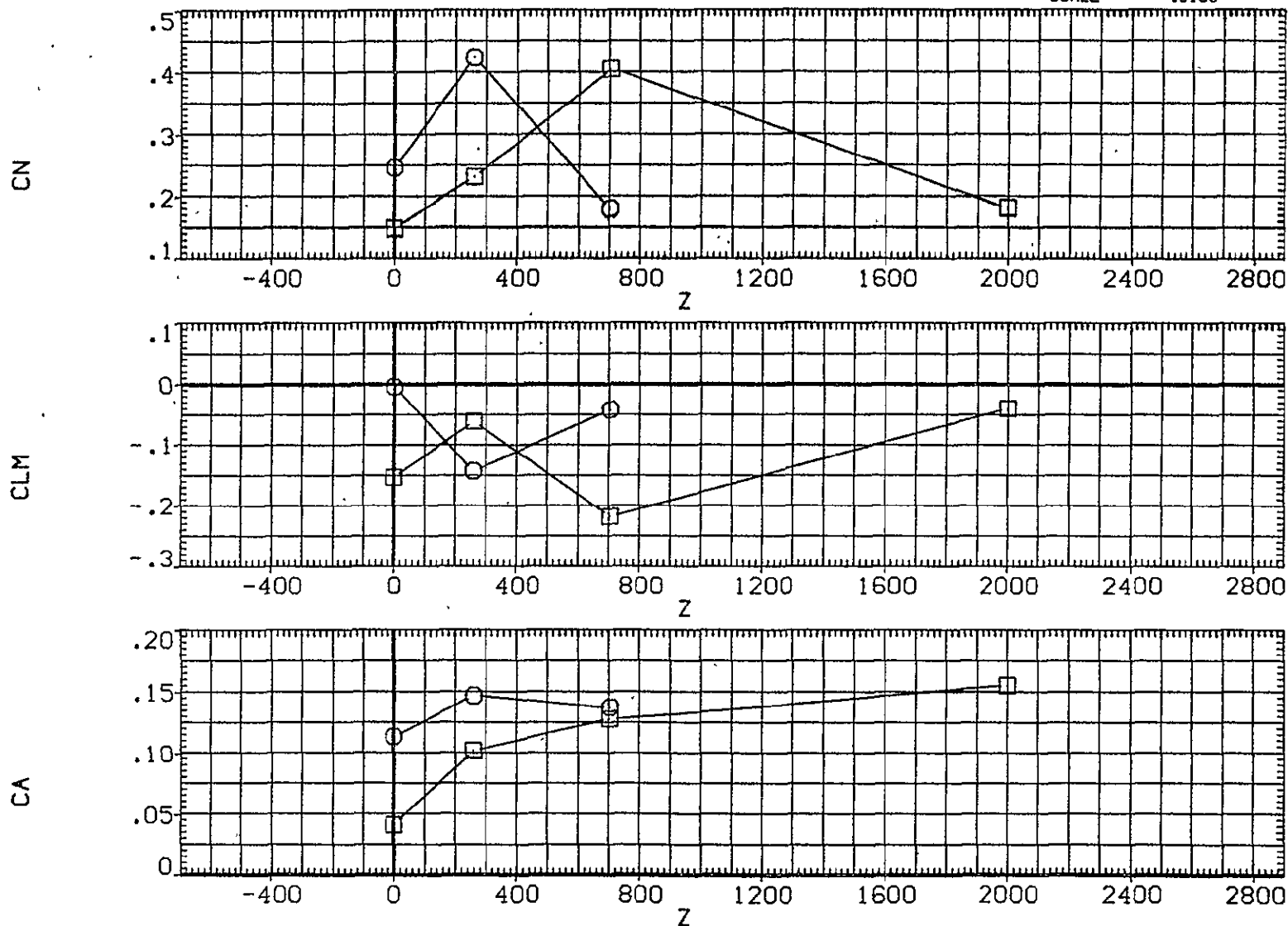
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RTQ340)  AEDC VA422 IAG1 01ET1S1 0/ET DATA (SRB SEPRNG)
 (RTL336)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 10.000 .000
 10.000 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON 0/ET AERO CHARACT. (RN/L=1.76, PJ=750)

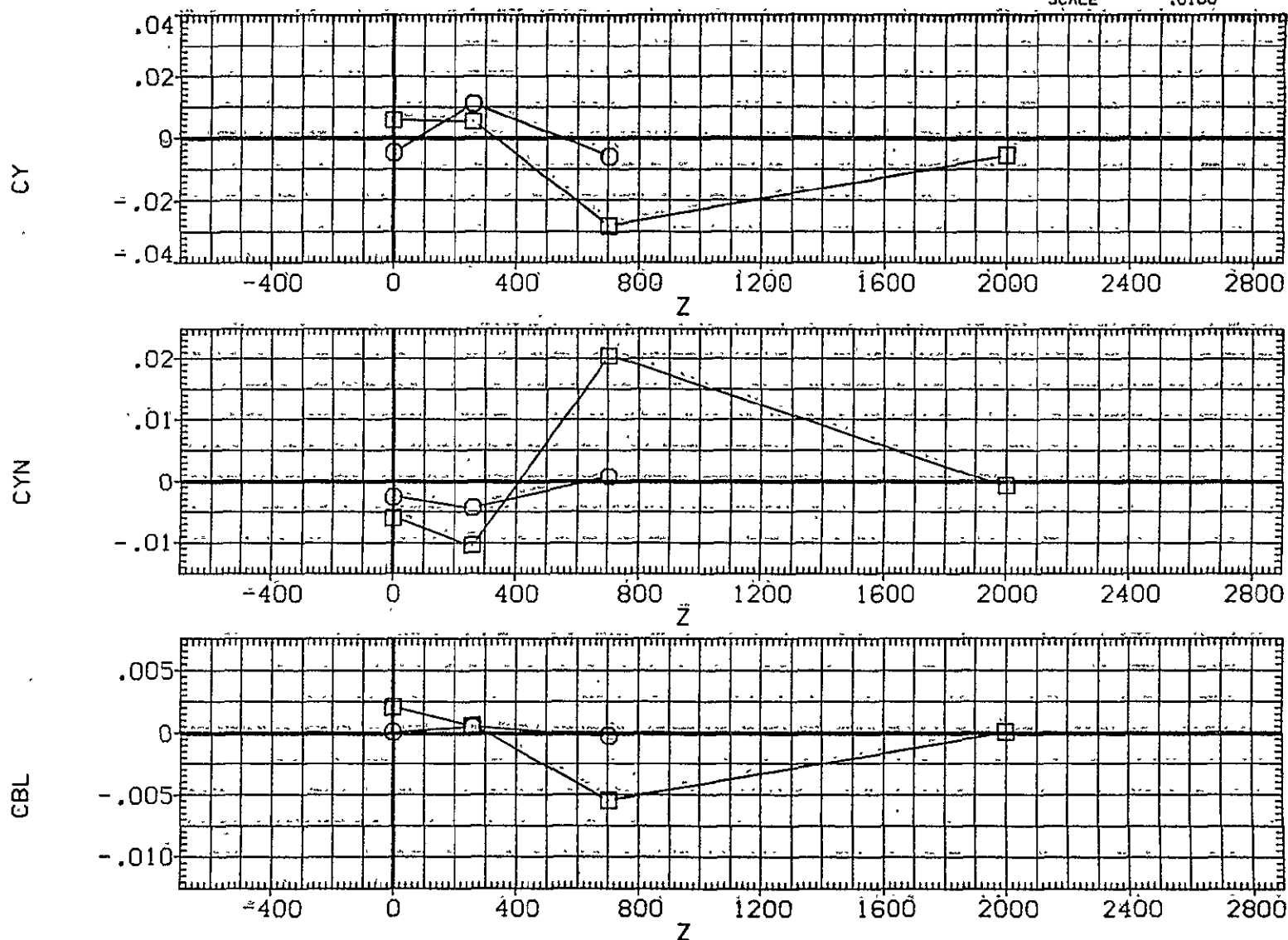
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0340) ○ AEDC VA422 1A61 01ET151 O/ET DATA (SRB SEPRTNG)
 (RTL336) □ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 10.000 .000
 10.000 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON O/ET AERO CHARACT. (RN/L=1.76, PJ=750)

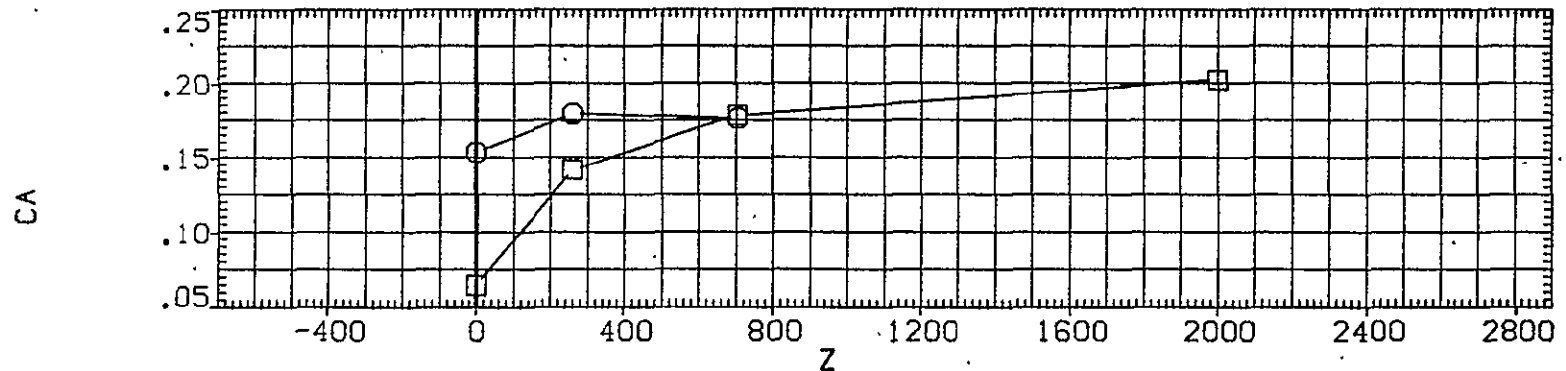
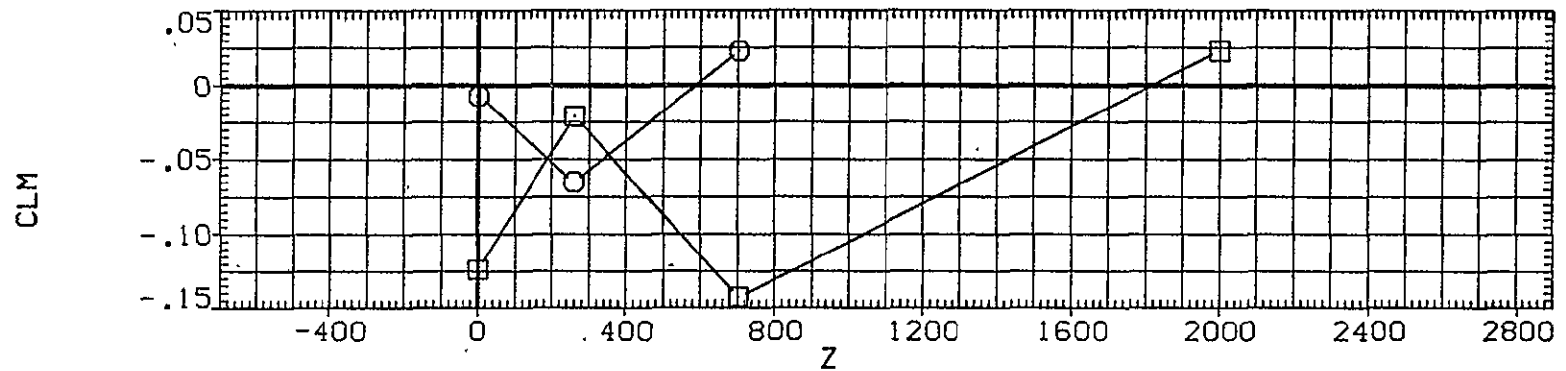
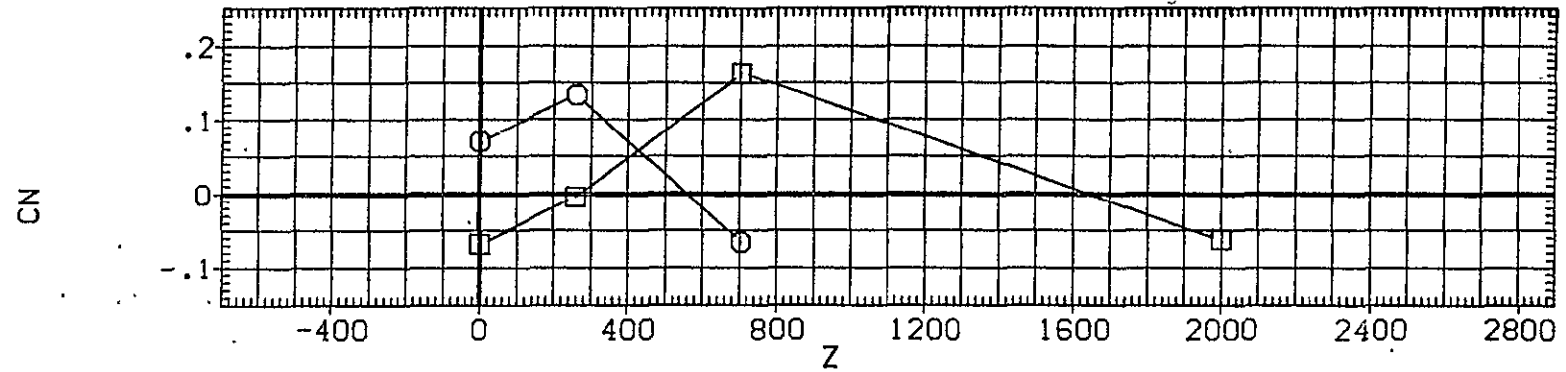
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RTQ141) ○ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)
 (RTL137) □ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 -10.000
 .000 -10.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON 0/ET AERO CHARACT. (RN/L=1.76, PJ=750)

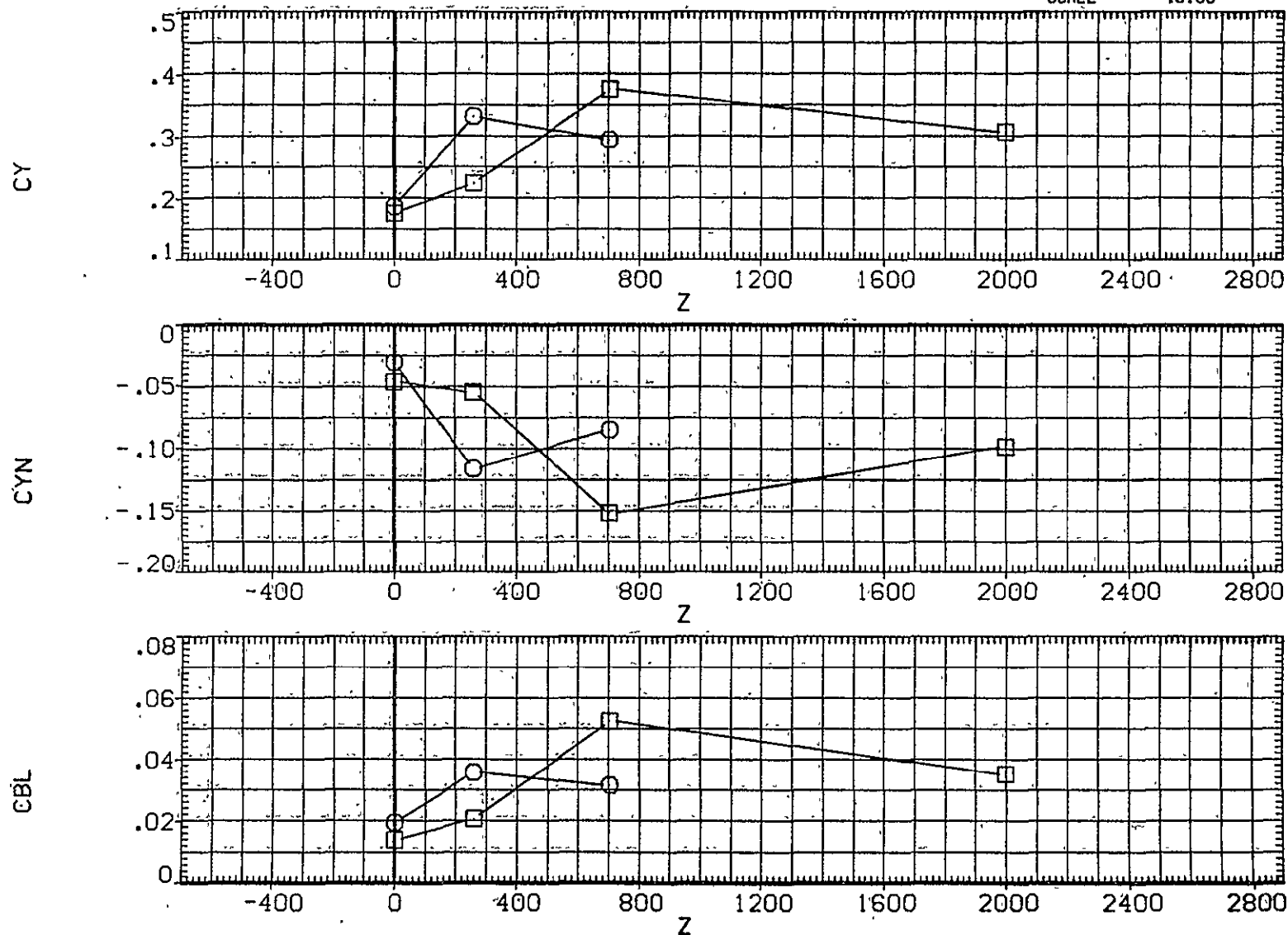
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RTQ141) ☐ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)
 (RTL137) ☐ AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB

ALPHA BETA
 .000 -10.000
 .000 -10.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON O/ET AERO CHARACT. (RN/L=1.76,PJ=750)

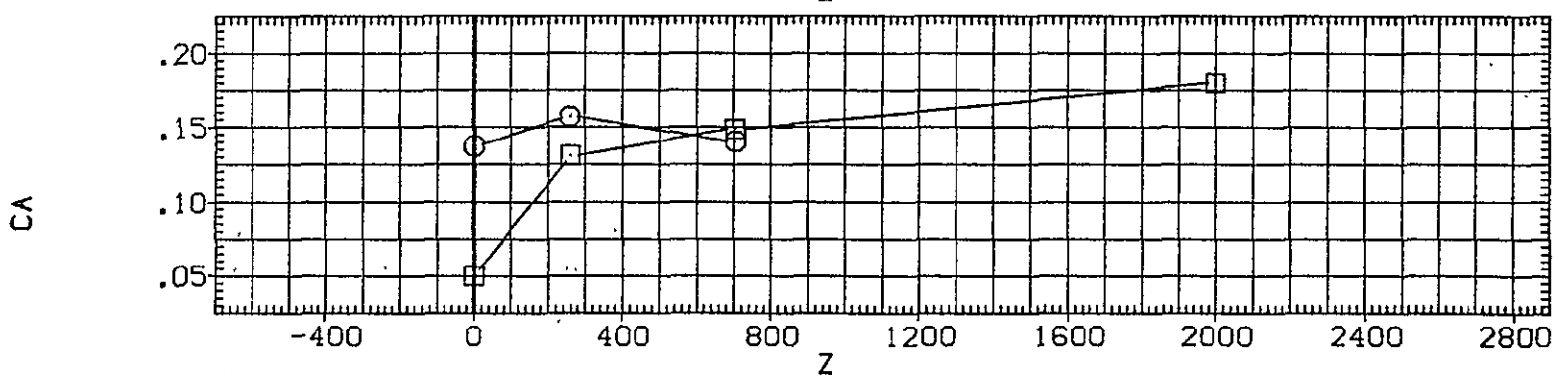
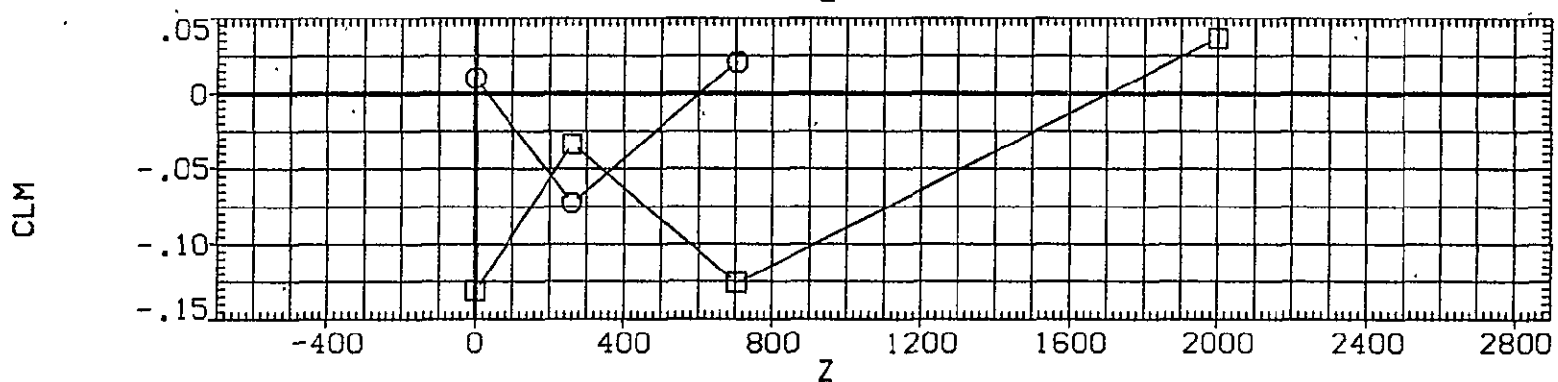
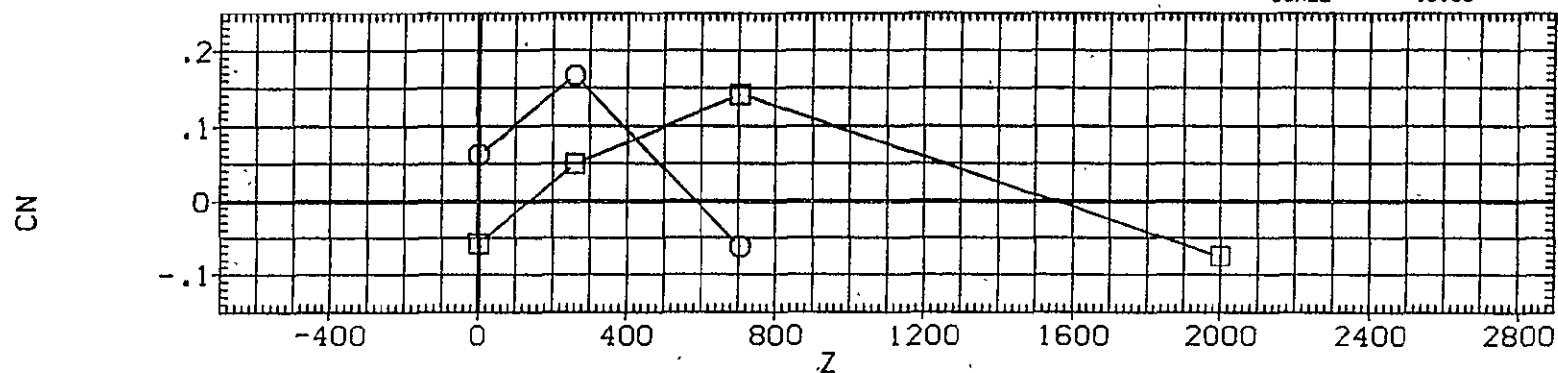
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0241) \square AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)
 (RTL237) \square AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 .000
 .000 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON O/ET AERO CHARACT. (RN/L=1.76, PJ=750)

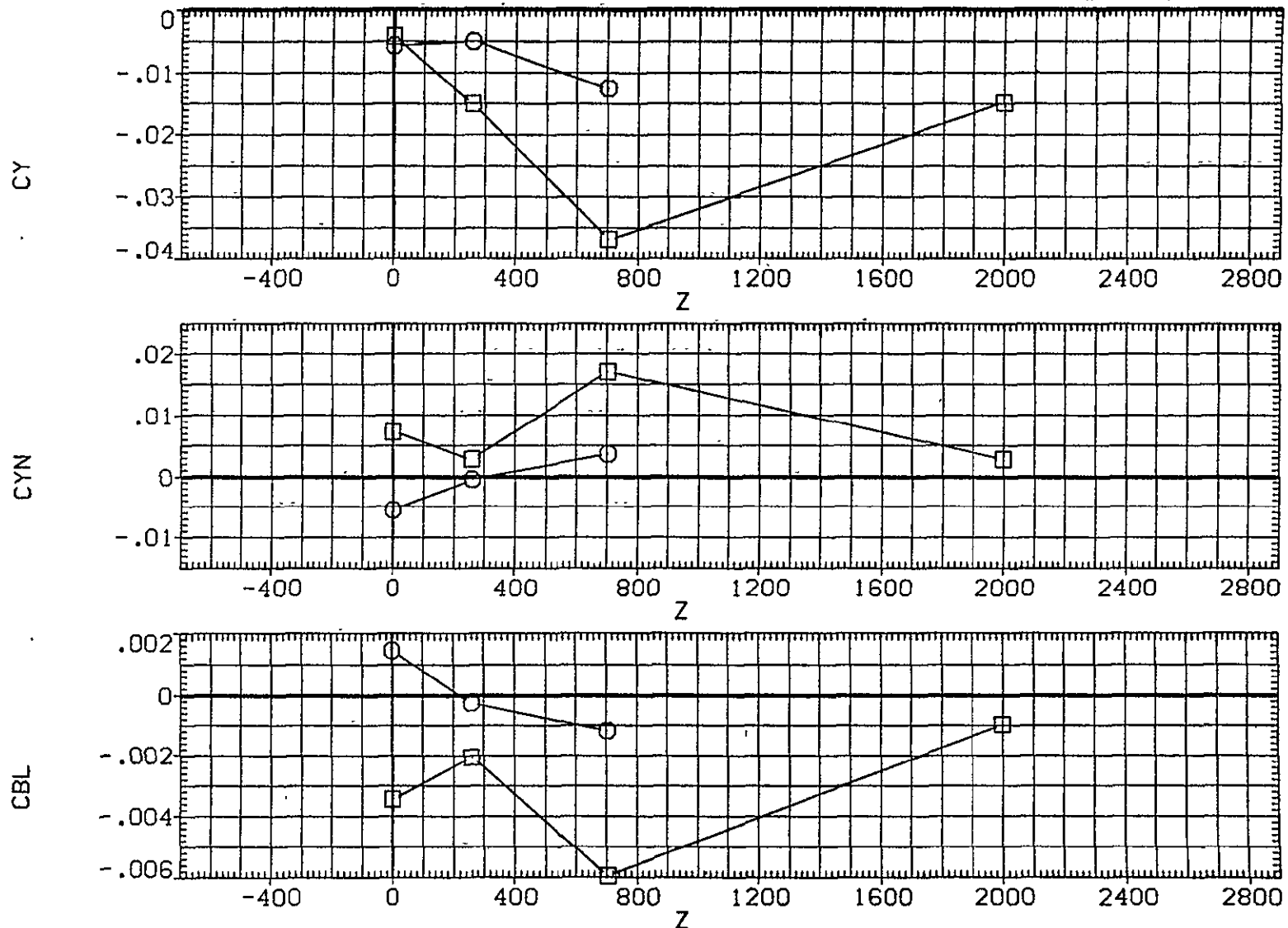
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0241) ○ AEDC VA422 IAG1 01ET1S1 0/ET DATA (SRB SEPRING)
 (RTL237) □ AEDC VA-422(IA-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 .000
 .000 .000



REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON 0/ET AERO CHARACT. (RN/L=1.76,PJ=750)

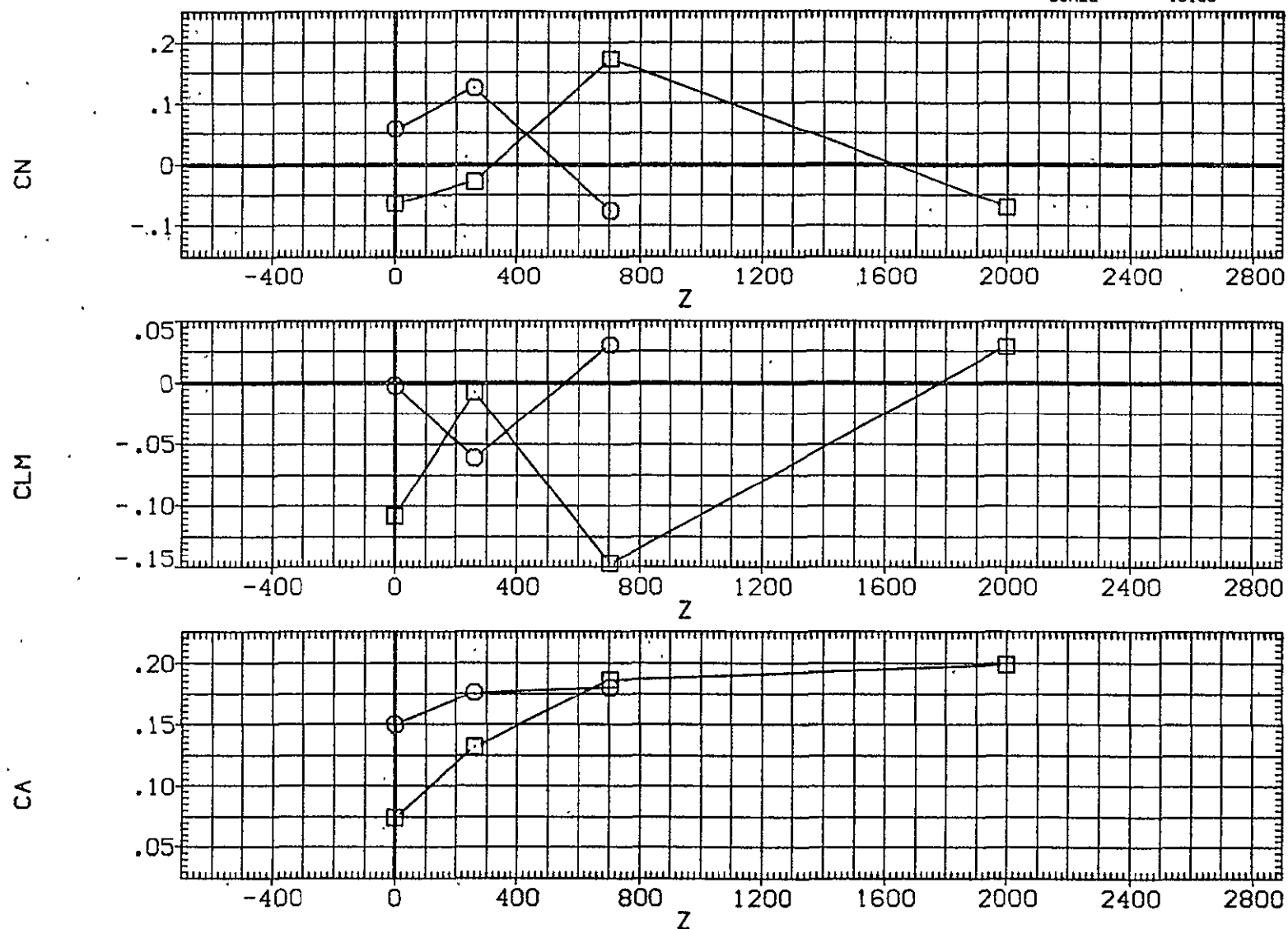
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0341)  AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRING)
 (RTL337)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 10.000
 .000 10.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



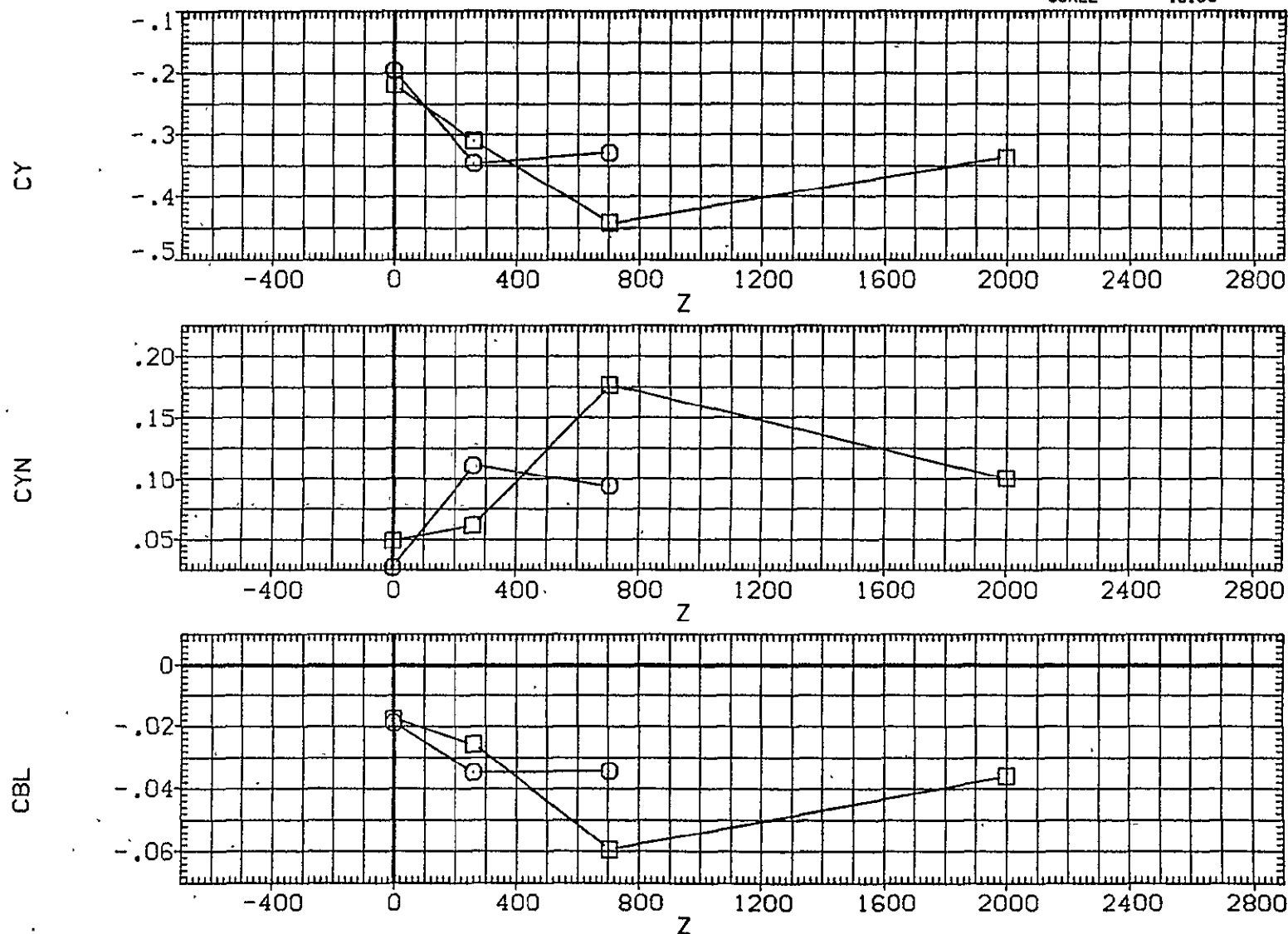
EFFECT OF SEPARATION DISTANCE ON O/ET AERO CHARACT. (RN/L=1.76,PJ=750)

(A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0341) ○ AEDC VA422 IA61 O/ET DATA (SRB SEPRNG)
 (RTL337) □ AEDC VA-422(IA-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 10.000
 .000 10.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON O/ET AERO CHARACT. (RN/L=1.76,PJ=750)

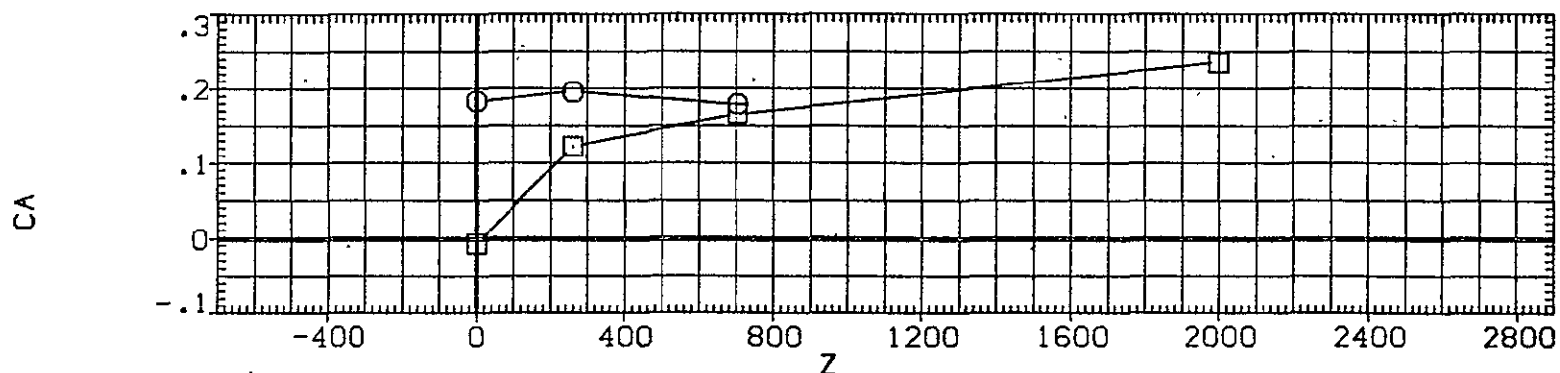
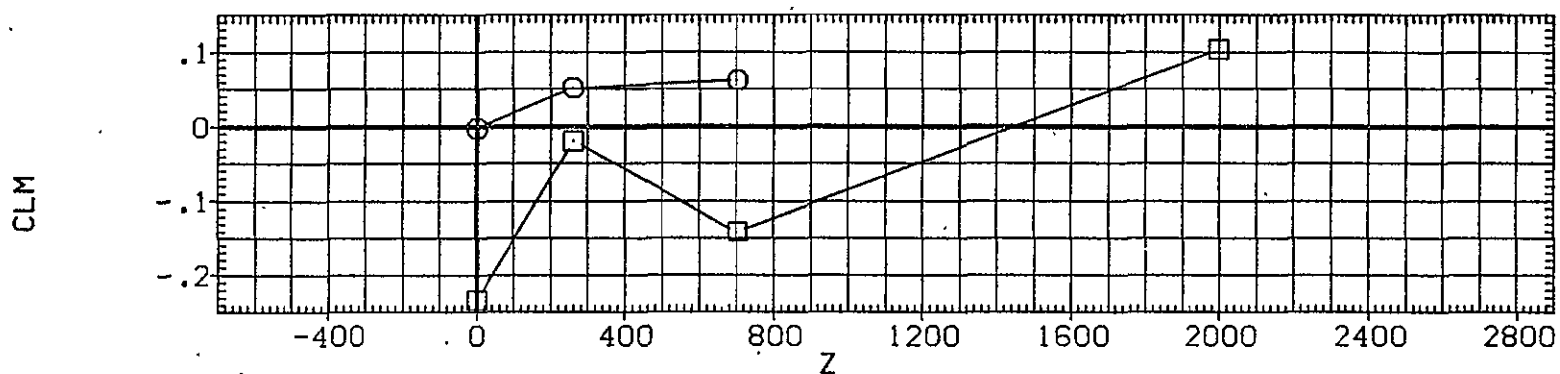
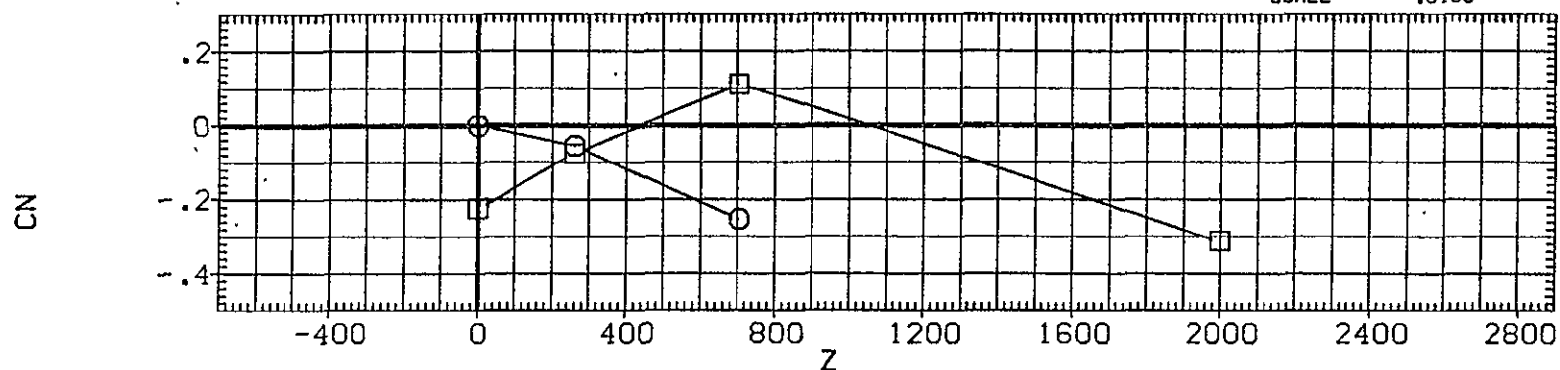
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0142) ○ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)
 (RTL138) □ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 -10.000 .000
 -10.000 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON 0/ET AERO CHARACT. (RN/L=1.76, PJ=1500)

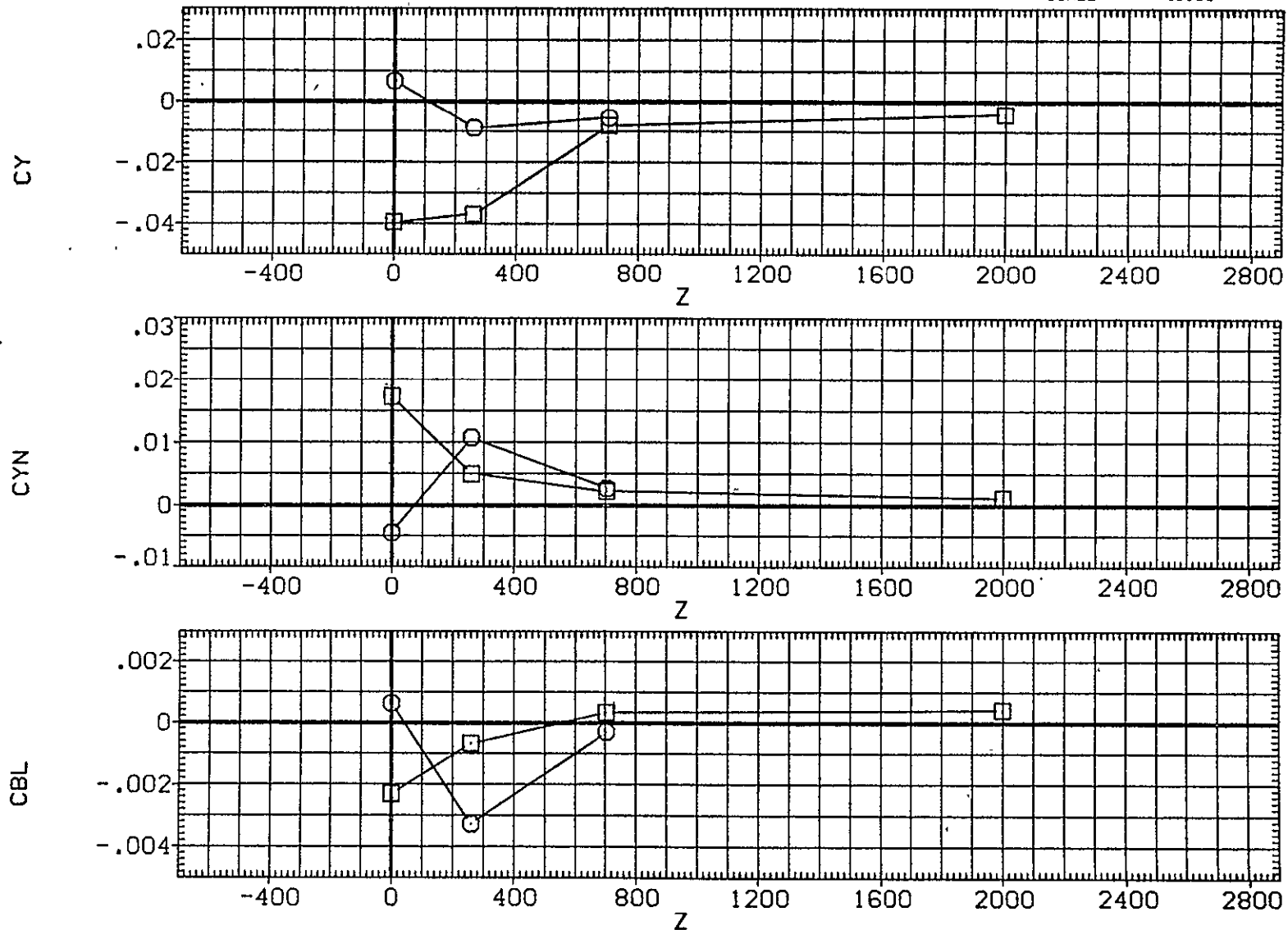
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RTQ142) ○ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)
 (RTL138) □ AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB

ALPHA BETA
 -10.000 .000
 -10.000 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON O/ET AERO CHARACT. (RN/L=1.76,PJ=1500)

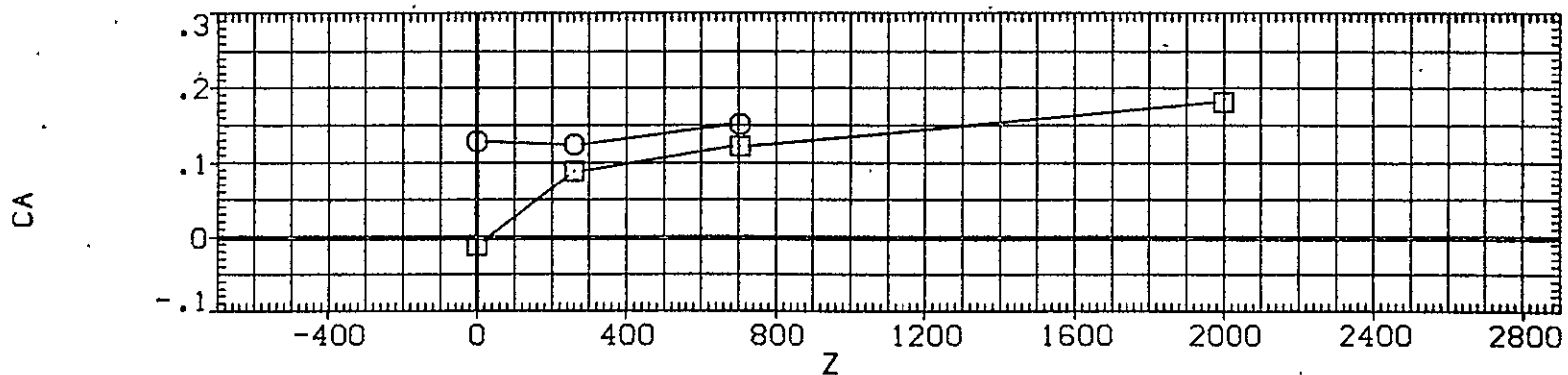
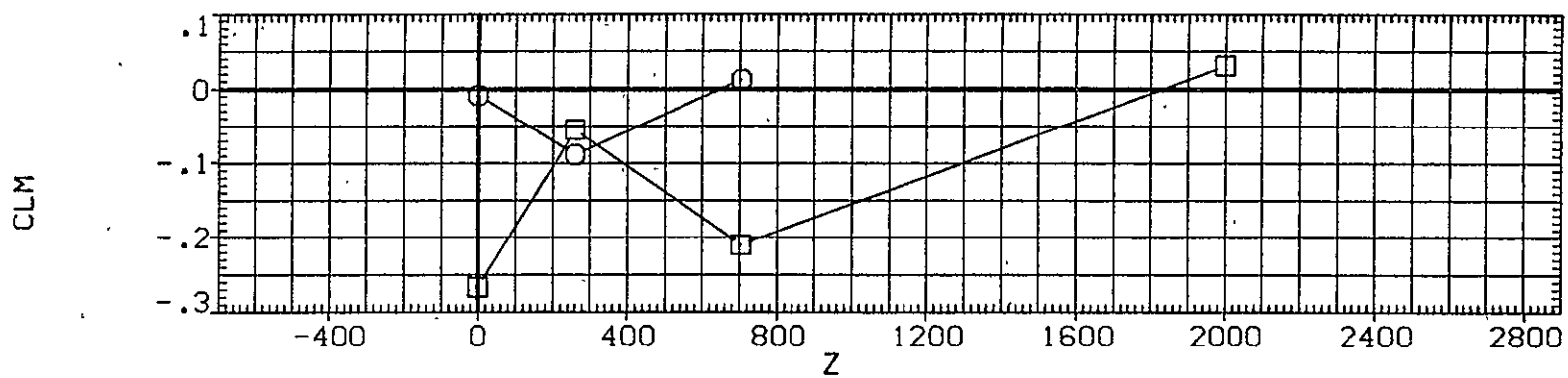
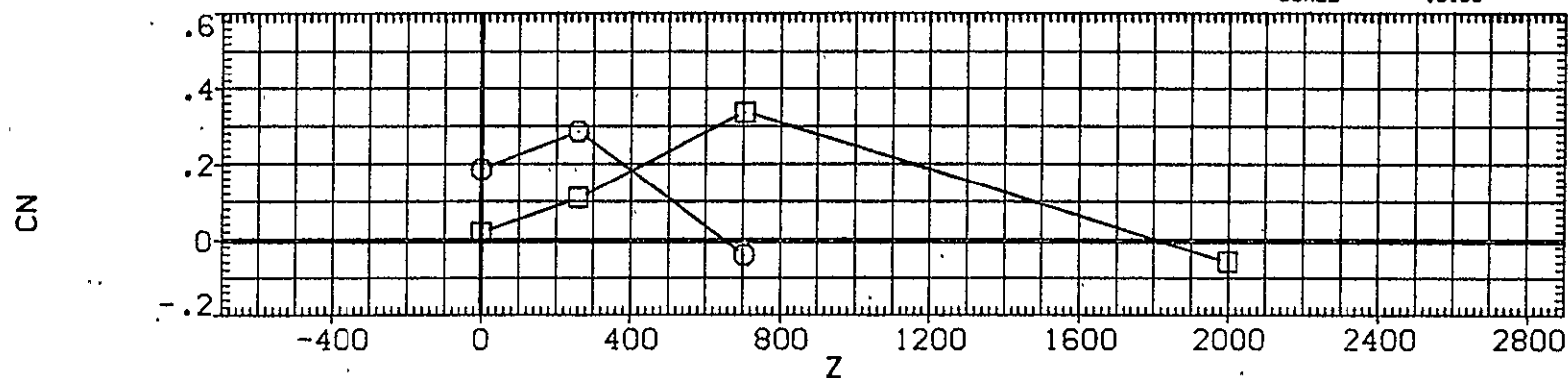
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RTQ242) \bigcirc AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)
 (RTL238) \square AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB



ALPHA BETA
 .000 .000
 .000 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



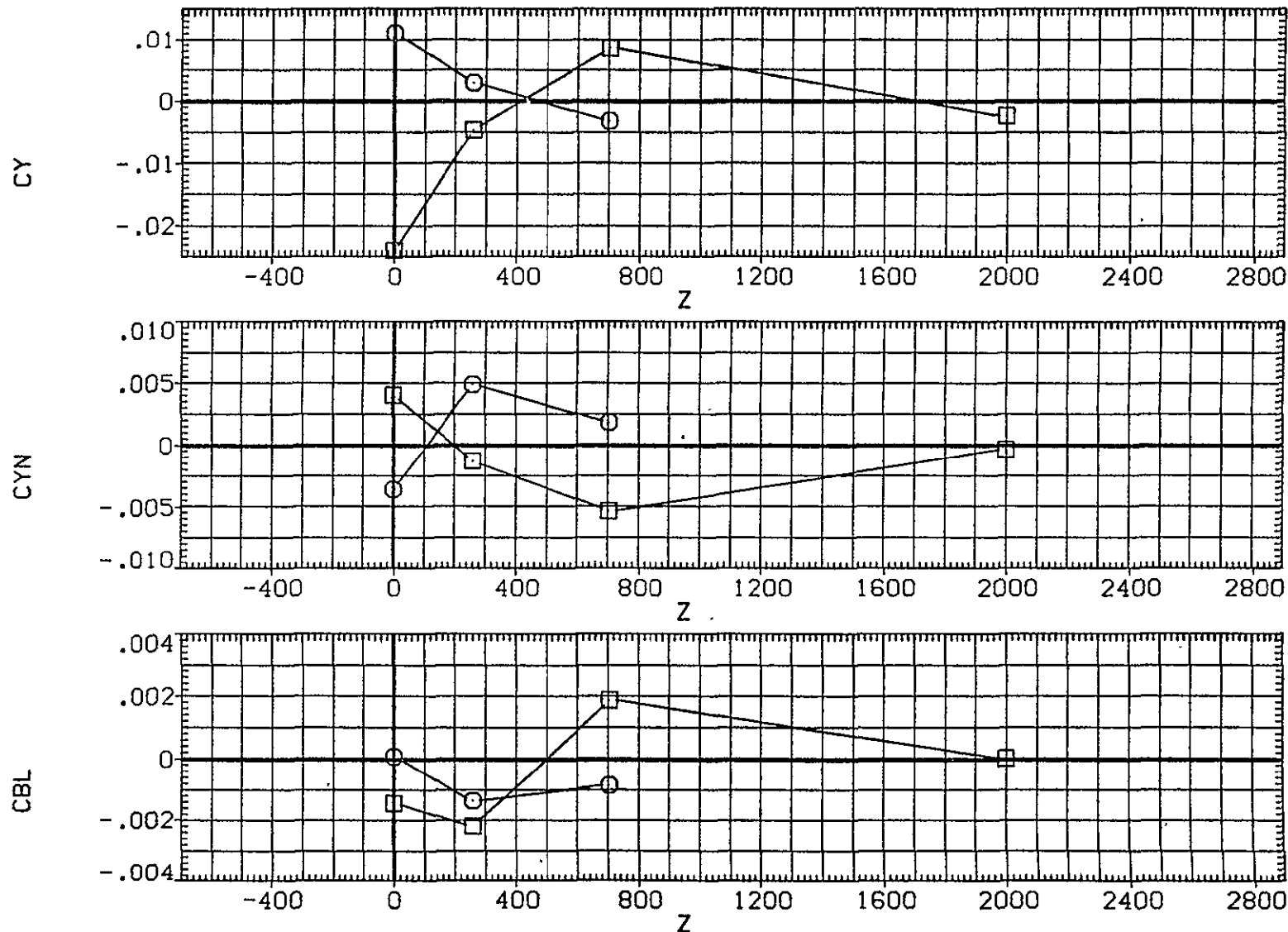
EFFECT OF SEPARATION DISTANCE ON 0/ET AERO CHARACT. (RN/L=1.76, PJ=1500)

(A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0242)  AEDC VA422 IA61 O/ET DATA (SRB SEPRNG)
 (RTL238)  AEDC VA-422(IA-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 .000
 .000 .000



REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON O/ET AERO CHARACT. (RN/L=1.76,PJ=1500)

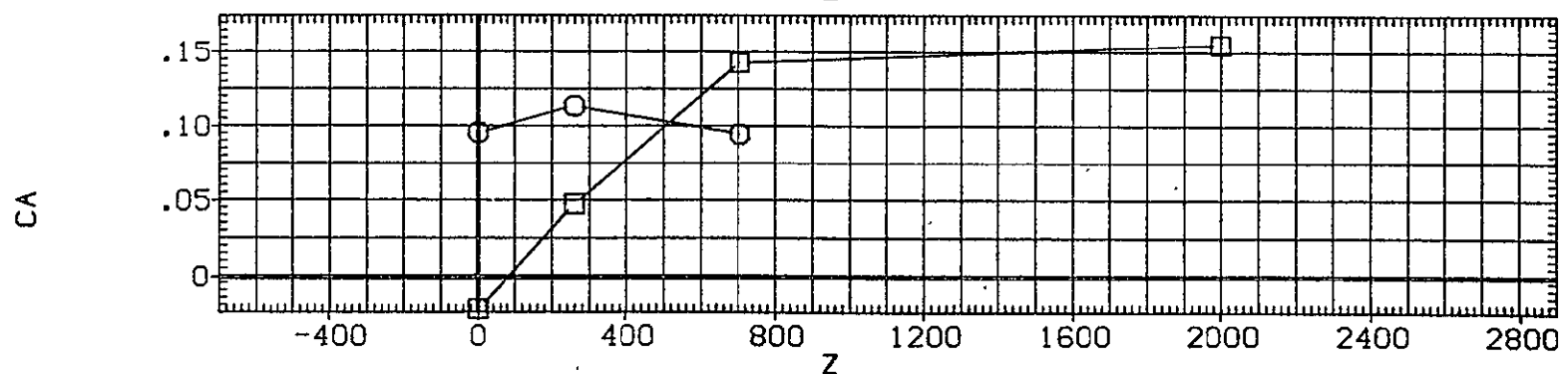
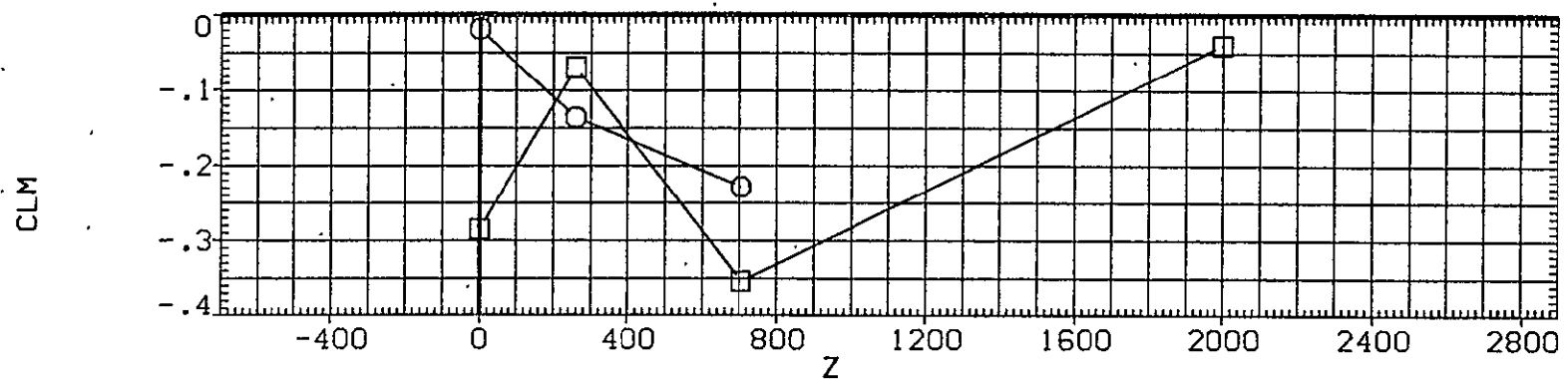
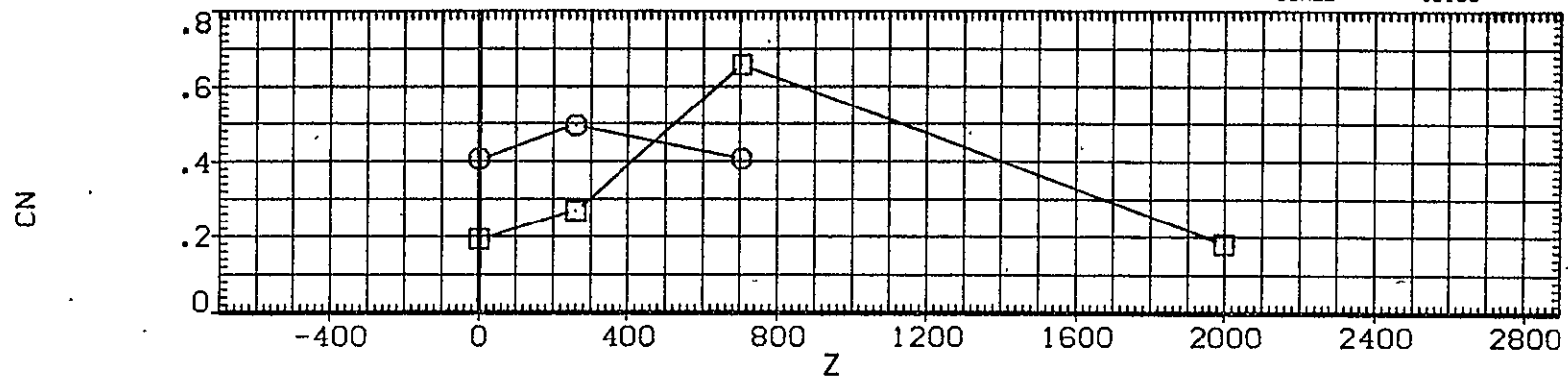
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0342)  AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRTING).
 (RTL338)  AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB



ALPHA BETA
 10.000 .000
 10.000 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



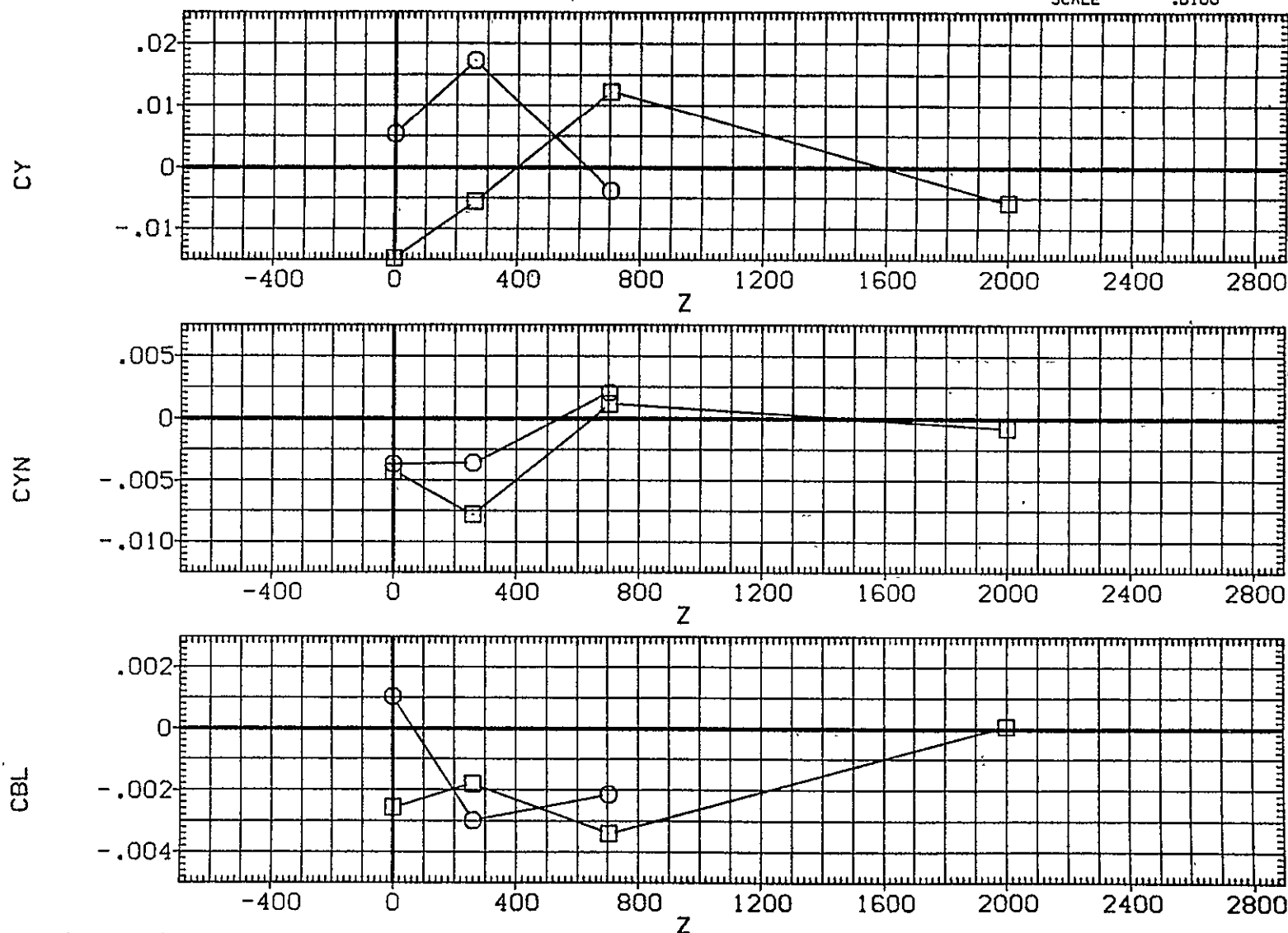
EFFECT OF SEPARATION DISTANCE ON 0/ET AERO CHARACT. (RN/L=1.76,PJ=1500)

(A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RTQ342)  AEDC VA422 IA61 01ET1S1 0/ET DATA (SRB SEPRTNG)
 (RTL338)  AEDC VA-422(IA-57), 0RB/ET W/BOTH SRB

ALPHA BETA
 10.000 .000
 10.000 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON 0/ET AERO CHARACT. (RN/L=1.76,PJ=1500)

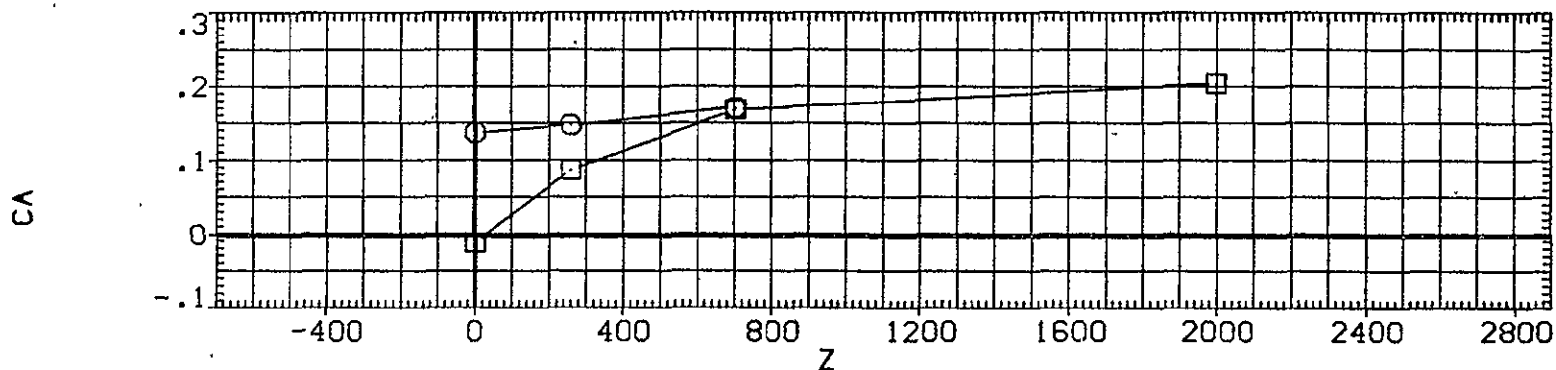
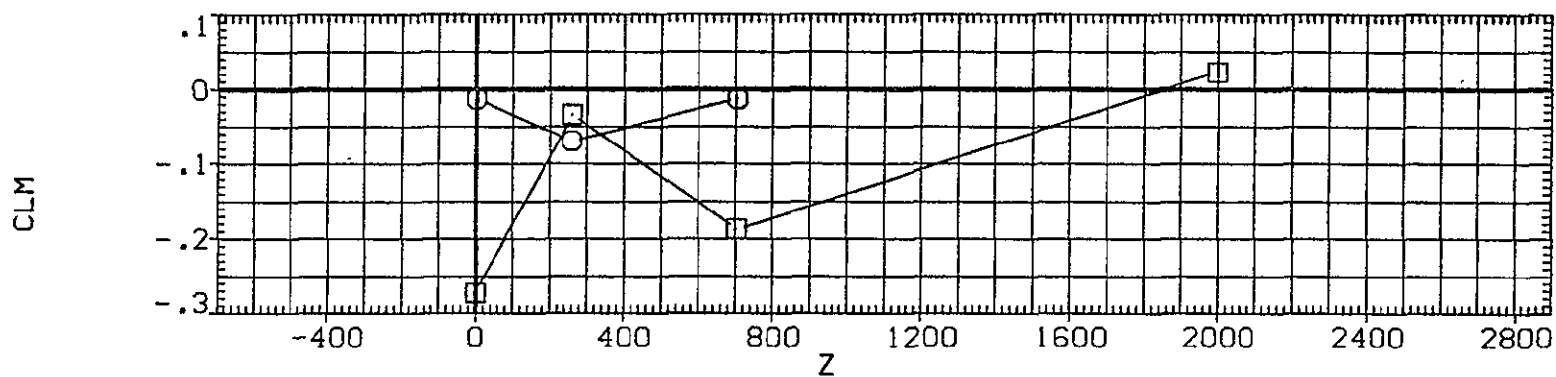
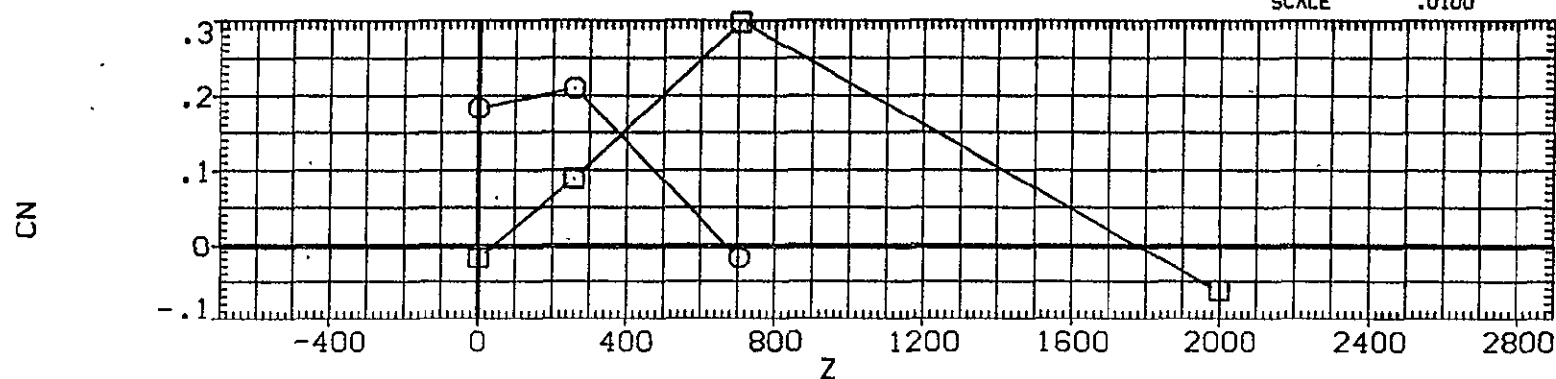
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0145) ☐ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)
 (RTL139) ☐ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 -10.000
 .000 -10.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



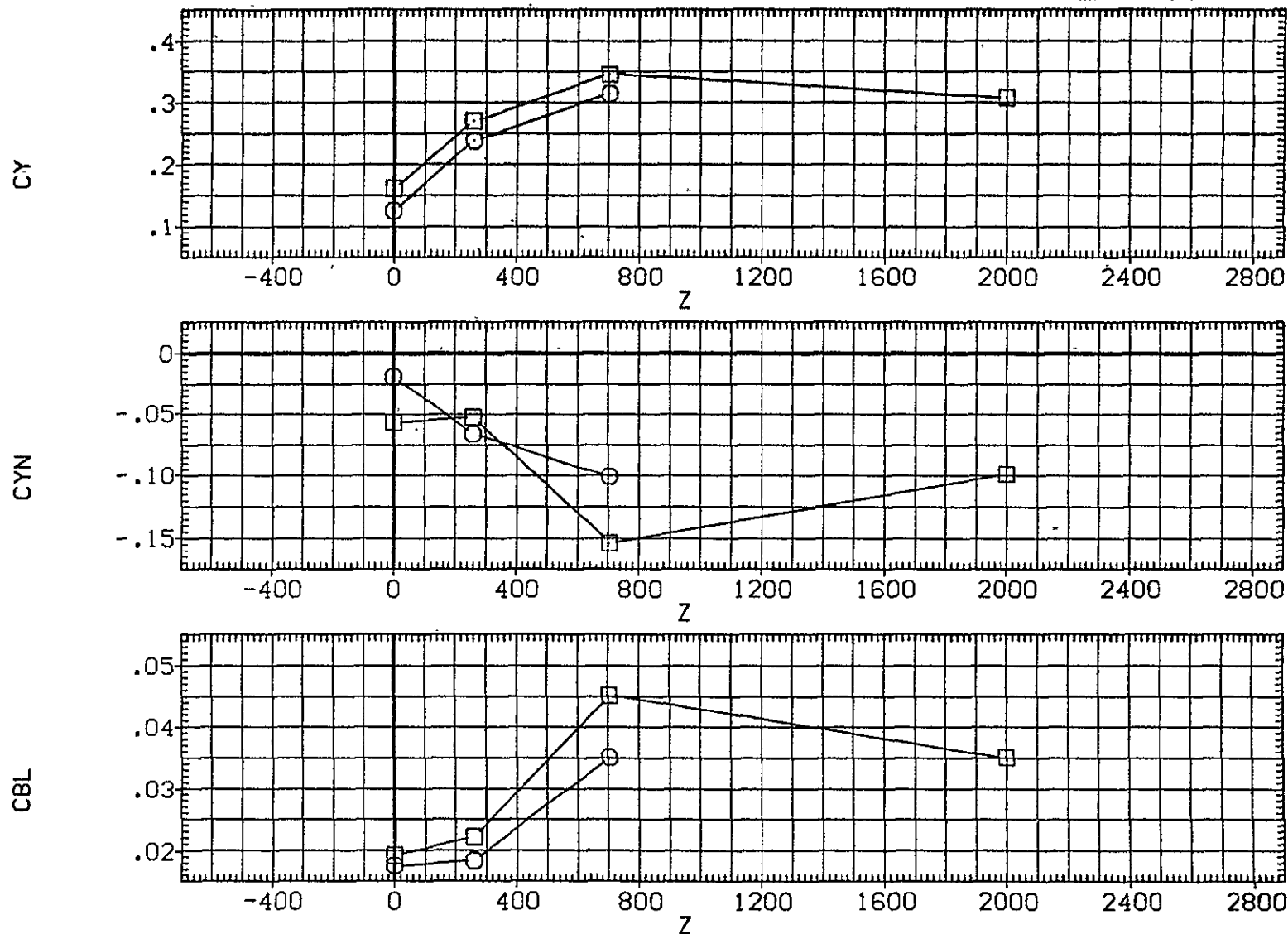
EFFECT OF SEPARATION DISTANCE ON 0/ET AERO CHARACT. (RN/L=1.76, PJ=1500)

(A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RTQ145) ☐ AEDC VA422 1A61 0/ET1S1 0/ET DATA (SRB SEPRNG)
 (RTL139) ☐ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 -10.000
 .000 -10.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON 0/ET AERO CHARACT. (RN/L=1.76,PJ=1500)

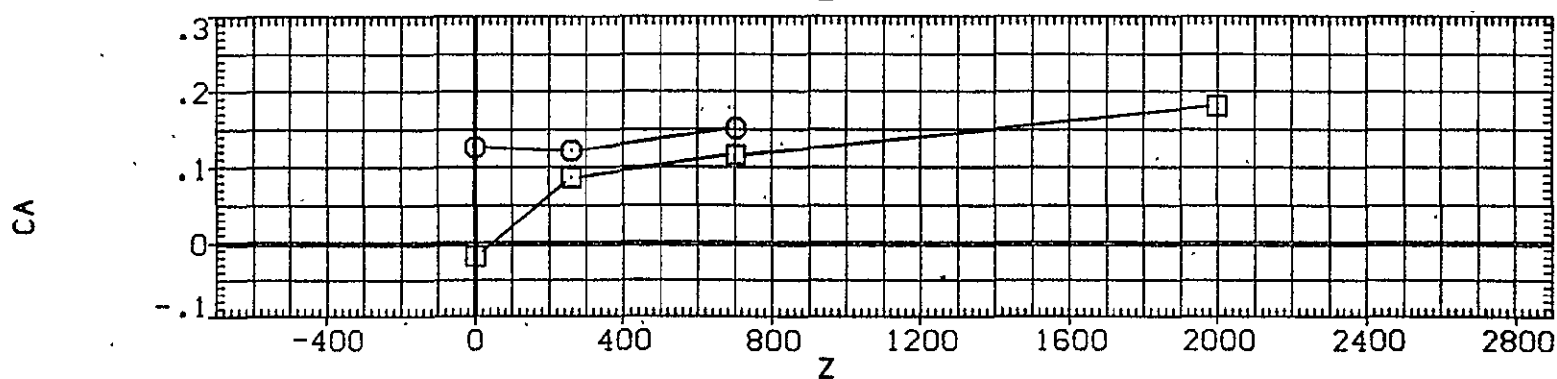
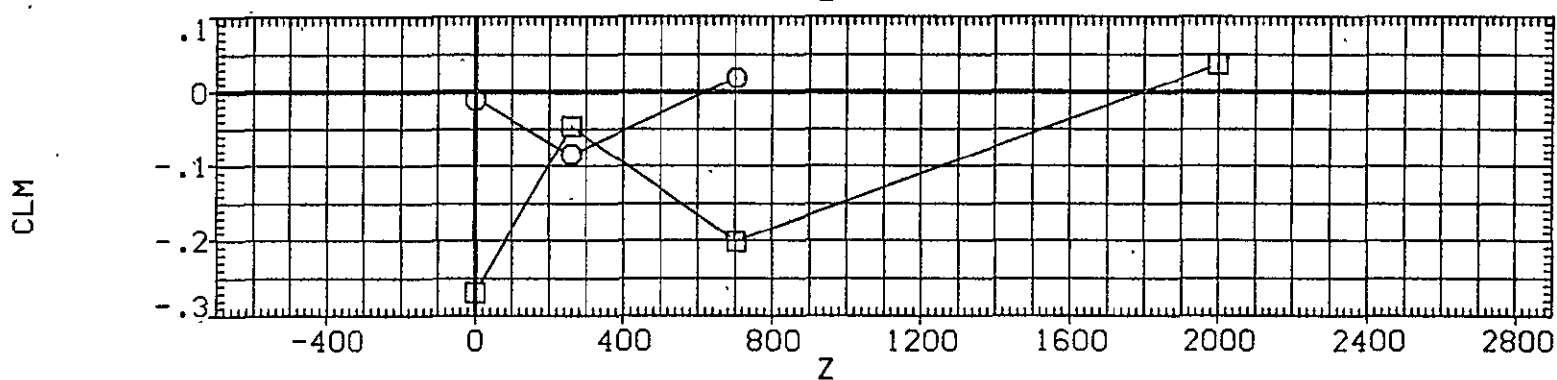
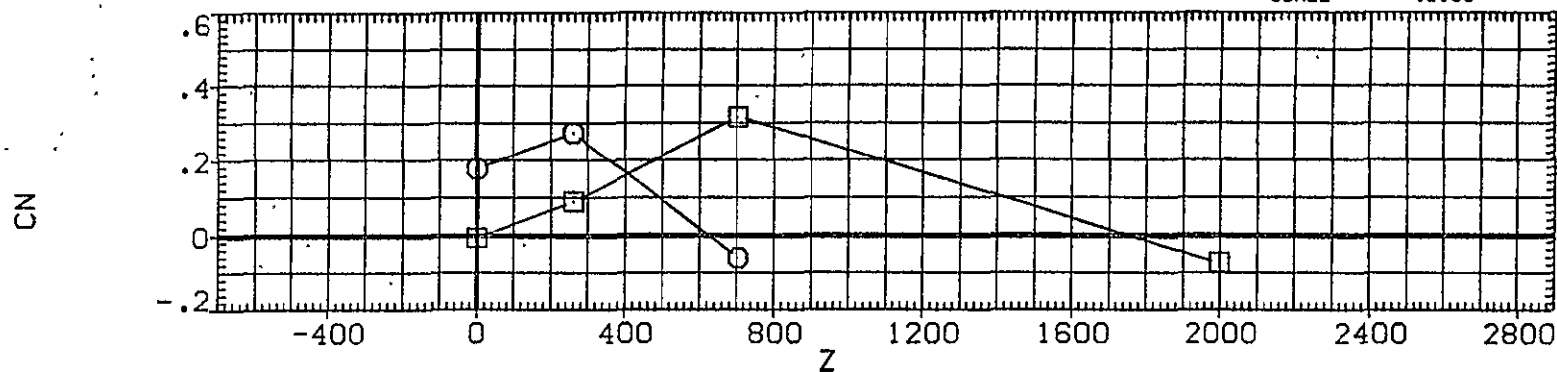
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RTQ245) ○ AEDC VA422 1A61 0/ET DATA (SRB SEPRTING)
 (RTL239) □ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 .000
 .000 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



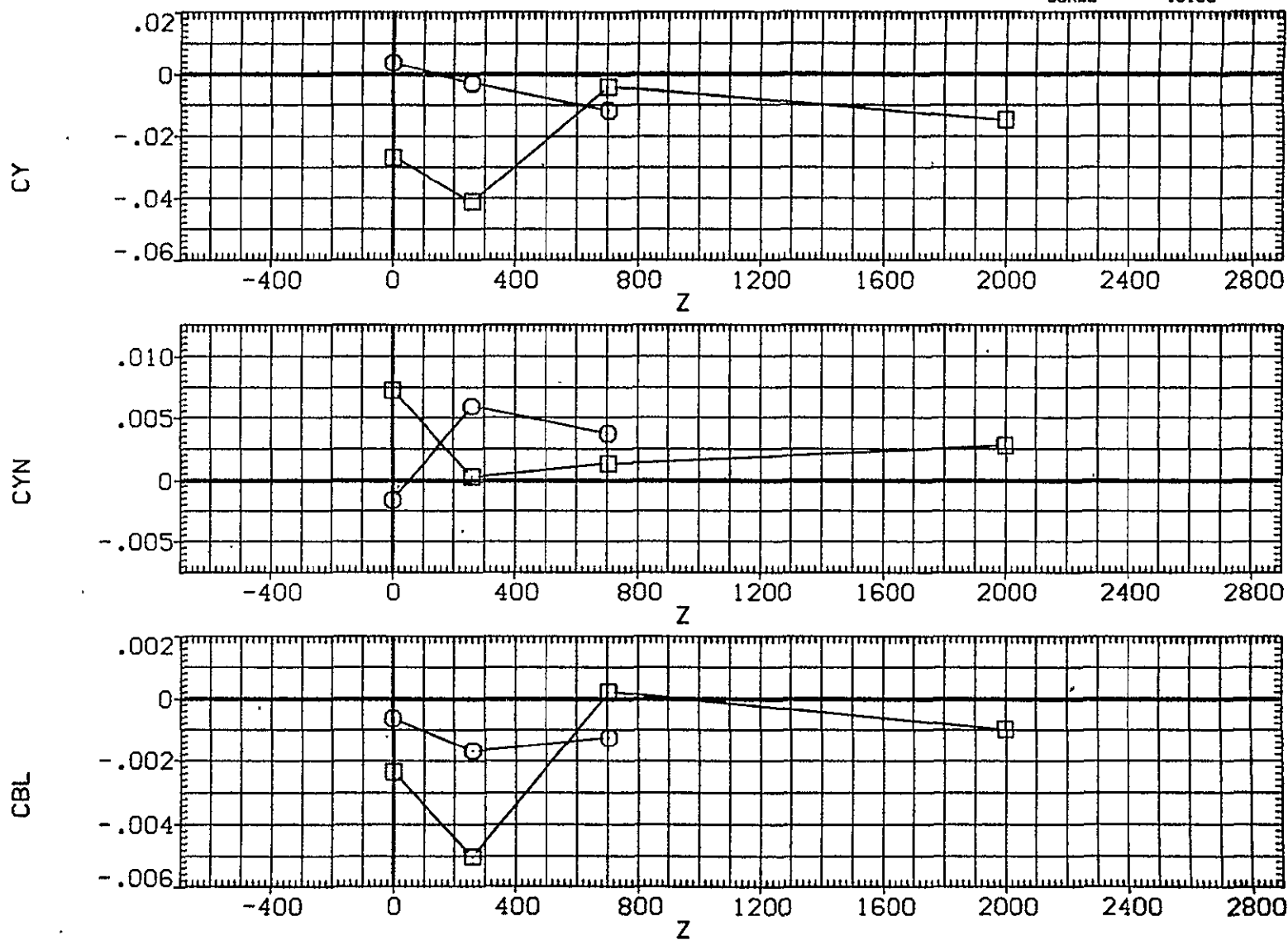
EFFECT OF SEPARATION DISTANCE ON 0/ET AERO CHARACT. (RN/L=1.76, PJ=1500)

(CA)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0245) ☐ AEDC VA422 (A61 01ET1S1 0/ET DATA (SRB SEPRTNG)
 (RTL239) ☐ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 .000
 .000 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON 0/ET AERO CHARACT. (RN/L=1.76,PJ=1500)

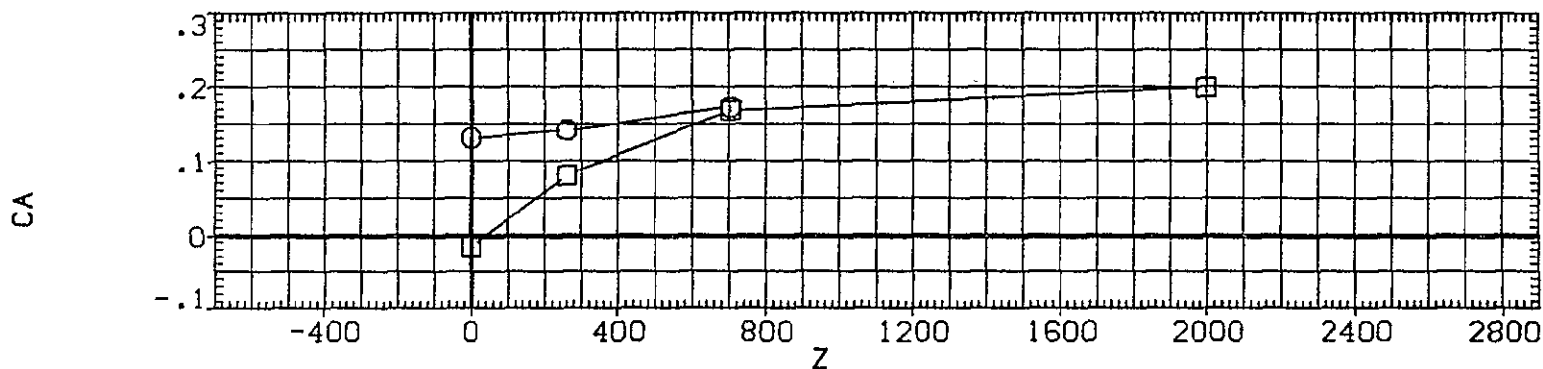
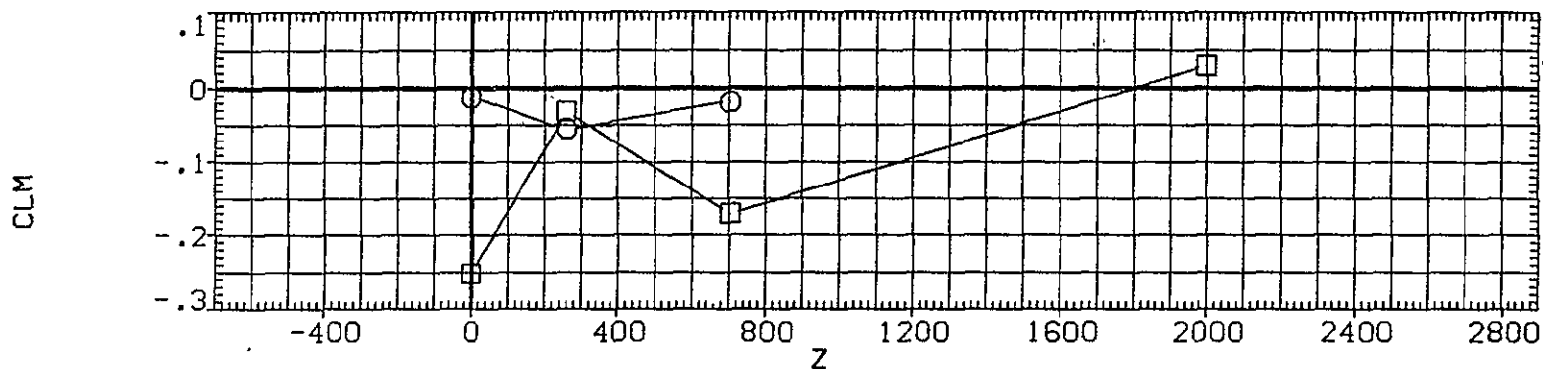
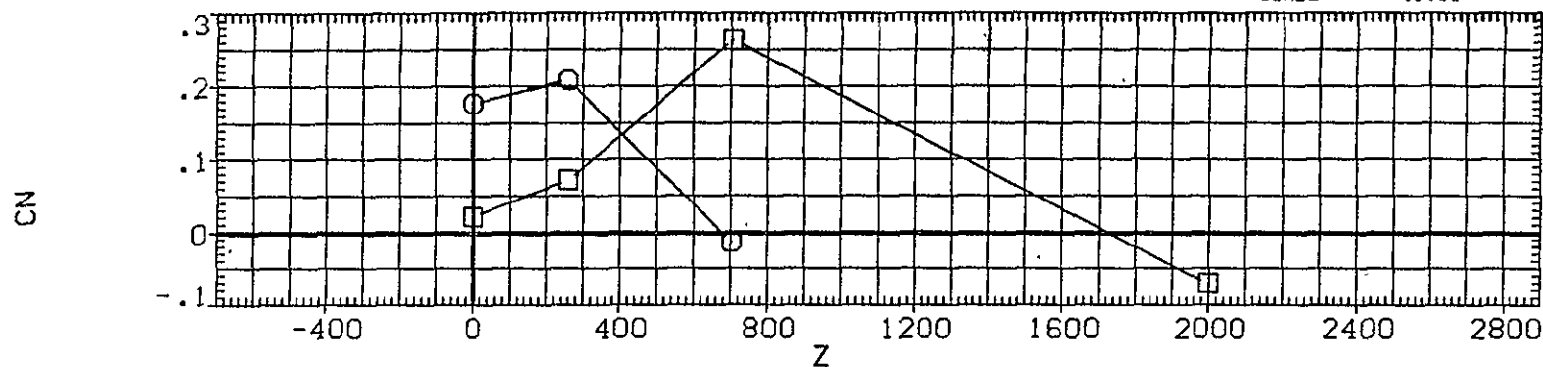
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RTQ345) \square AEDC VA422 1A51 01ET151 0/ET DATA (SRB SEPRNG)
 (RTL339) \square AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 10.000
 .000 10.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON 0/ET AERO CHARACT. (RN/L=1.76, PJ=1500)

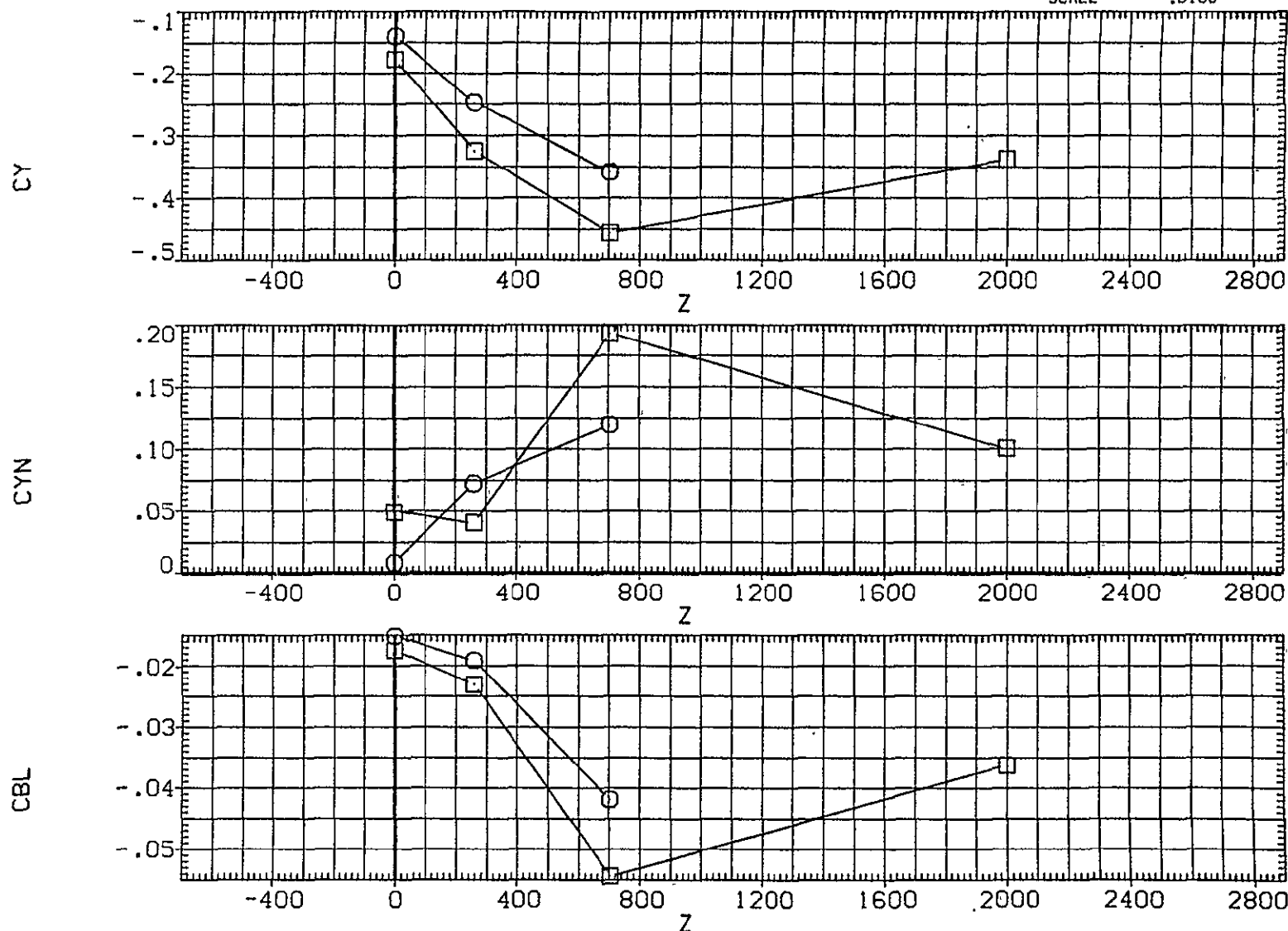
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0345) \square AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)
 (RTL339) \square AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 10.000
 .000 10.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON O/ET AERO CHARACT. (RN/L=1.76,PJ=1500)

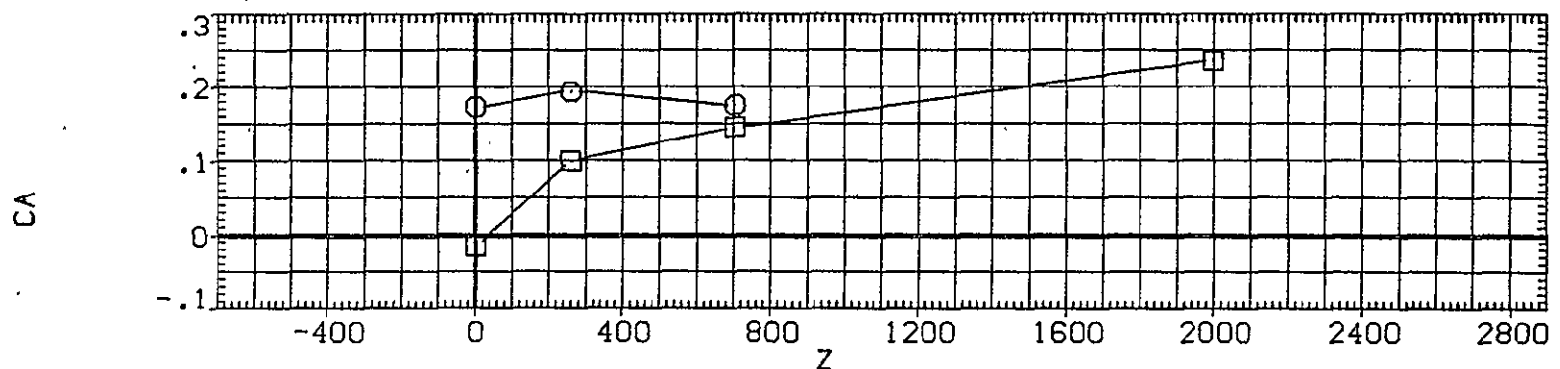
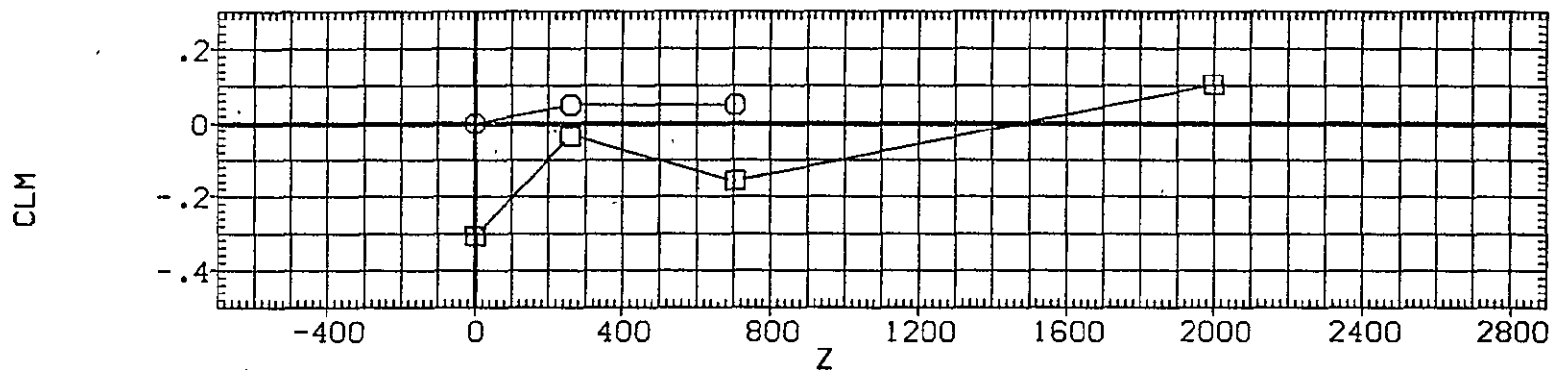
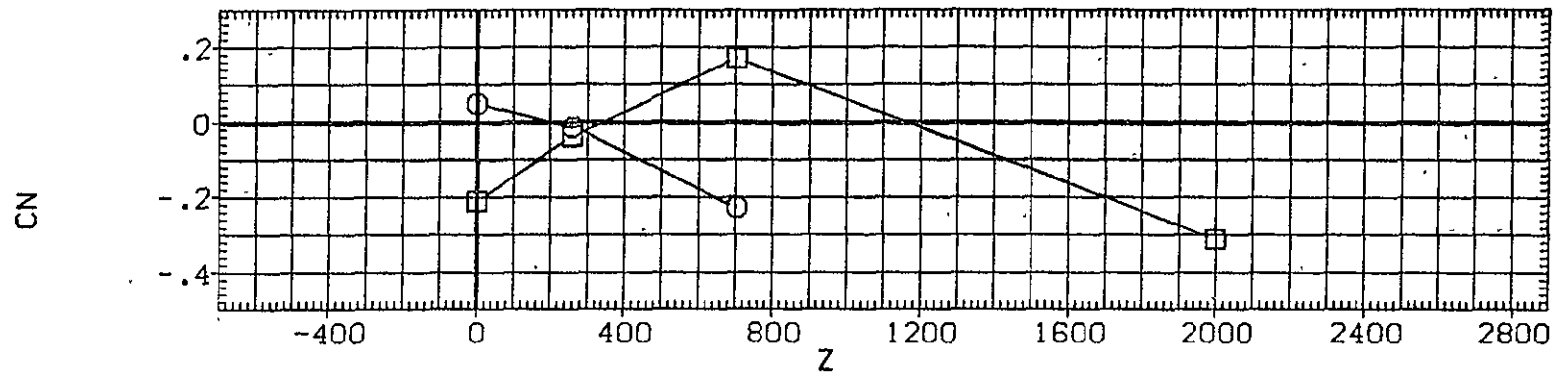
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RTQ134) ○ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)
 (RTL132) □ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 -10.000 .000
 -10.000 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON 0/ET AERO CHARACT. (RN/L=1.4, PJ=1500)

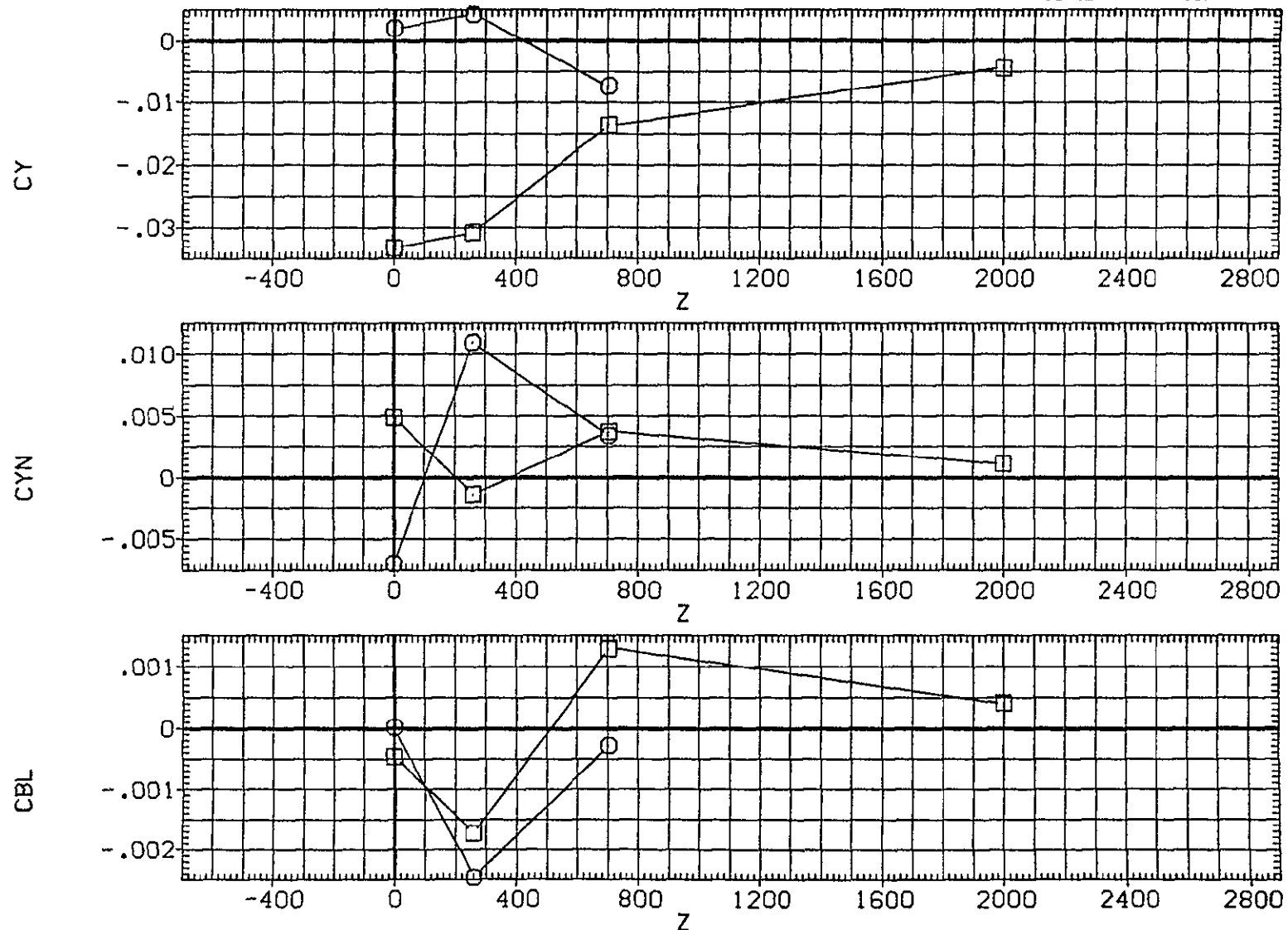
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0134) ○ AEDC VA422 1A61 01ET151 0/ET DATA (SRB SEPRNG)
 (RTL132) □ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 -10.000 .000
 -10.000 .000



REFERENCE INFORMATION
 SREF 2690.0000 50.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON 0/ET AERO CHARACT. (RN/L=1.4, PJ=1500)

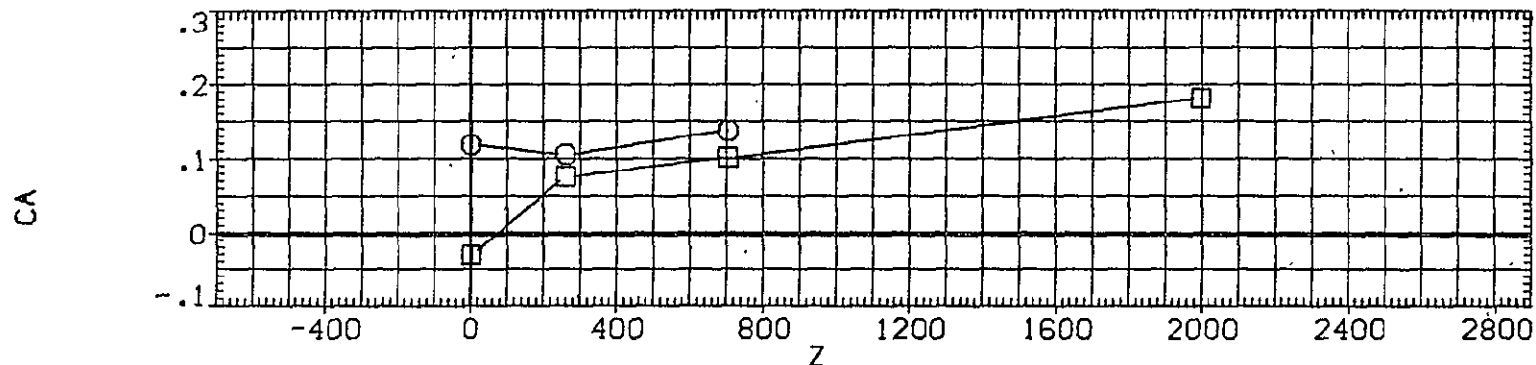
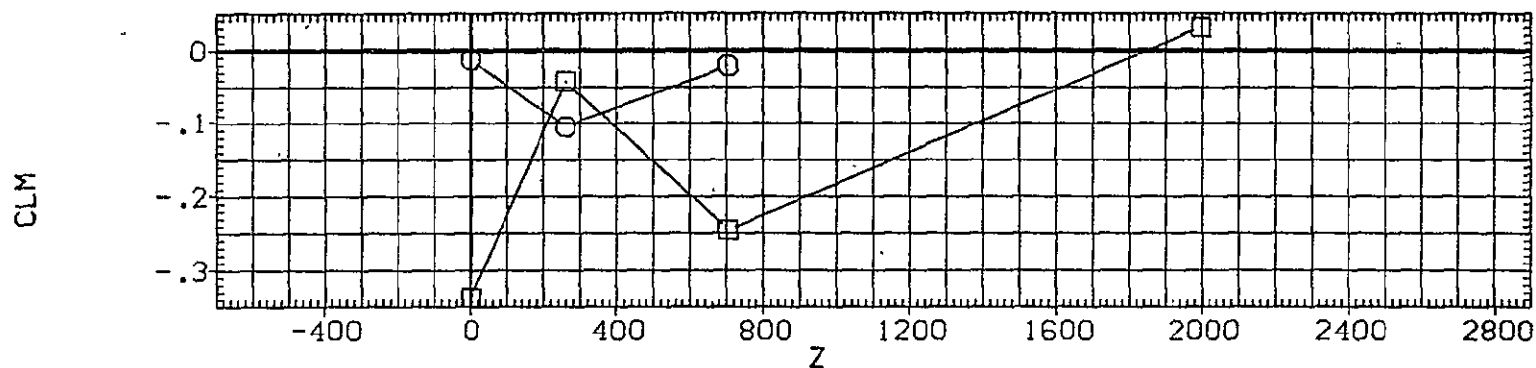
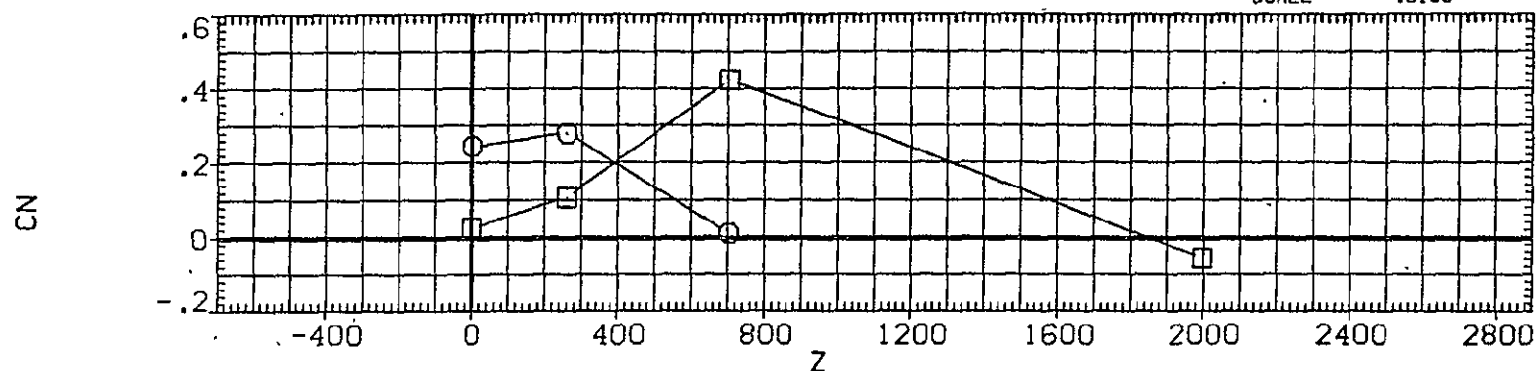
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0234)  AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRTNG)
 (RTL232)  AEDC VA-422(1A-57). 0RB/ET W/BOTH SRB

ALPHA BETA
 .000 .000
 .000 .000



REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON 0/ET AERO CHARACT. (RN/L=1.4, PJ=1500)

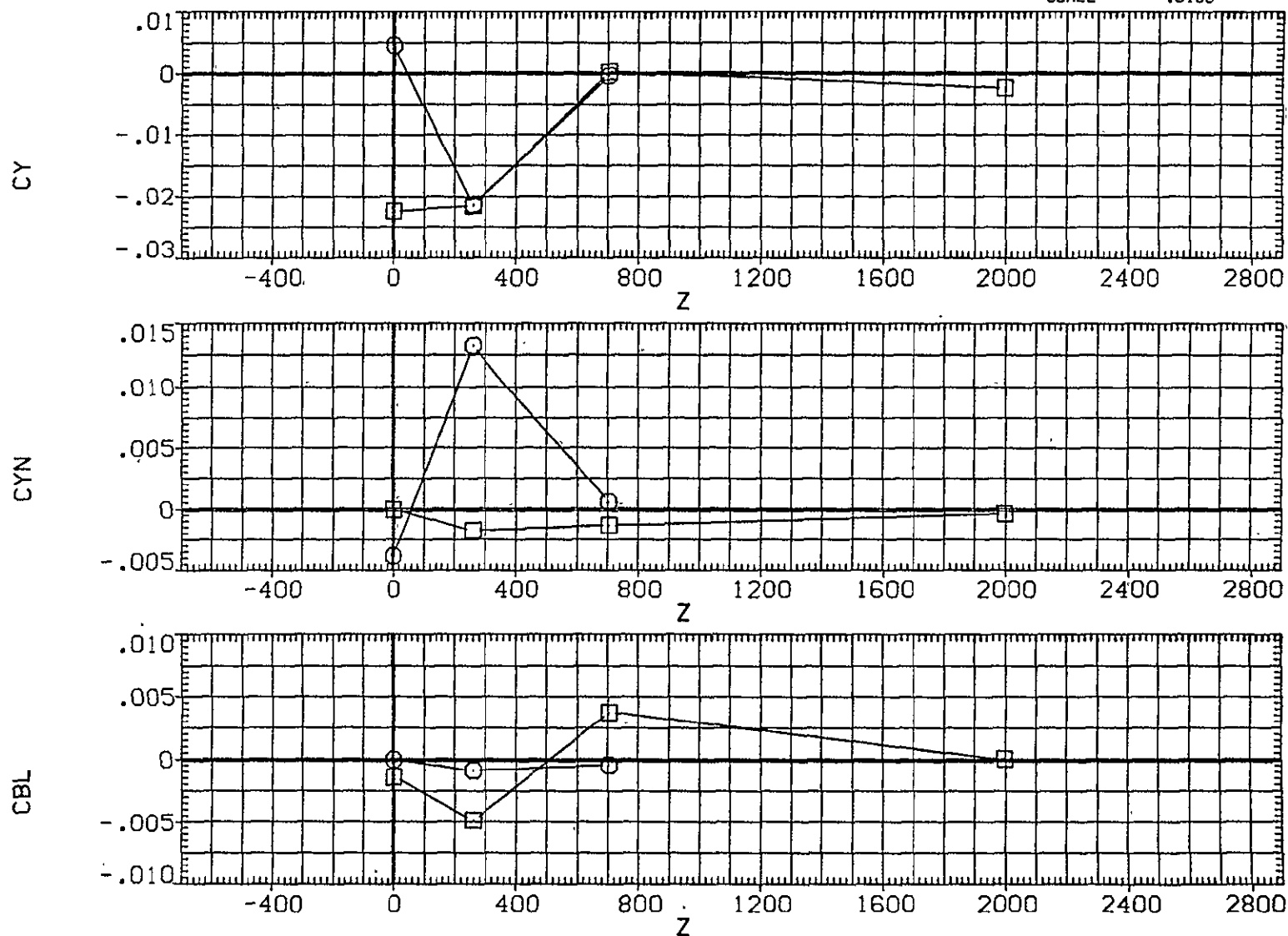
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RTQ234)  AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)
 (RTL232)  AEDC VA-422(1A-57), DRB/ET W/BOTH SRB

ALPHA BETA
 .000 .000
 .000 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON O/ET AERO CHARACT. (RN/L=1.4, PJ=1500)

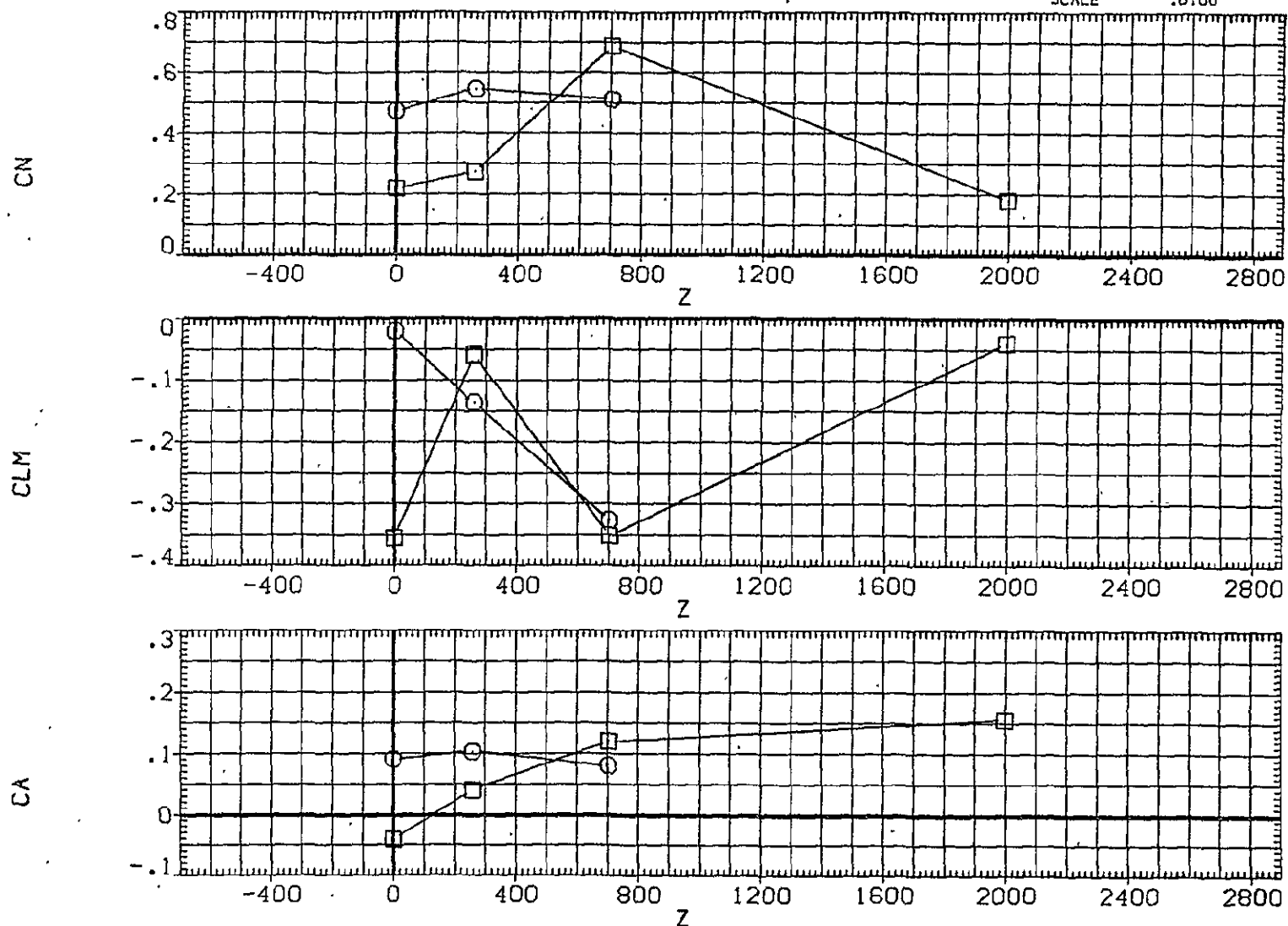
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0334) \square AEDC VA422 1A61 O/ET1S1 O/ET DATA (SRB SEPRNG)
 (RTL332) \square AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 10.000 .000
 10.000 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



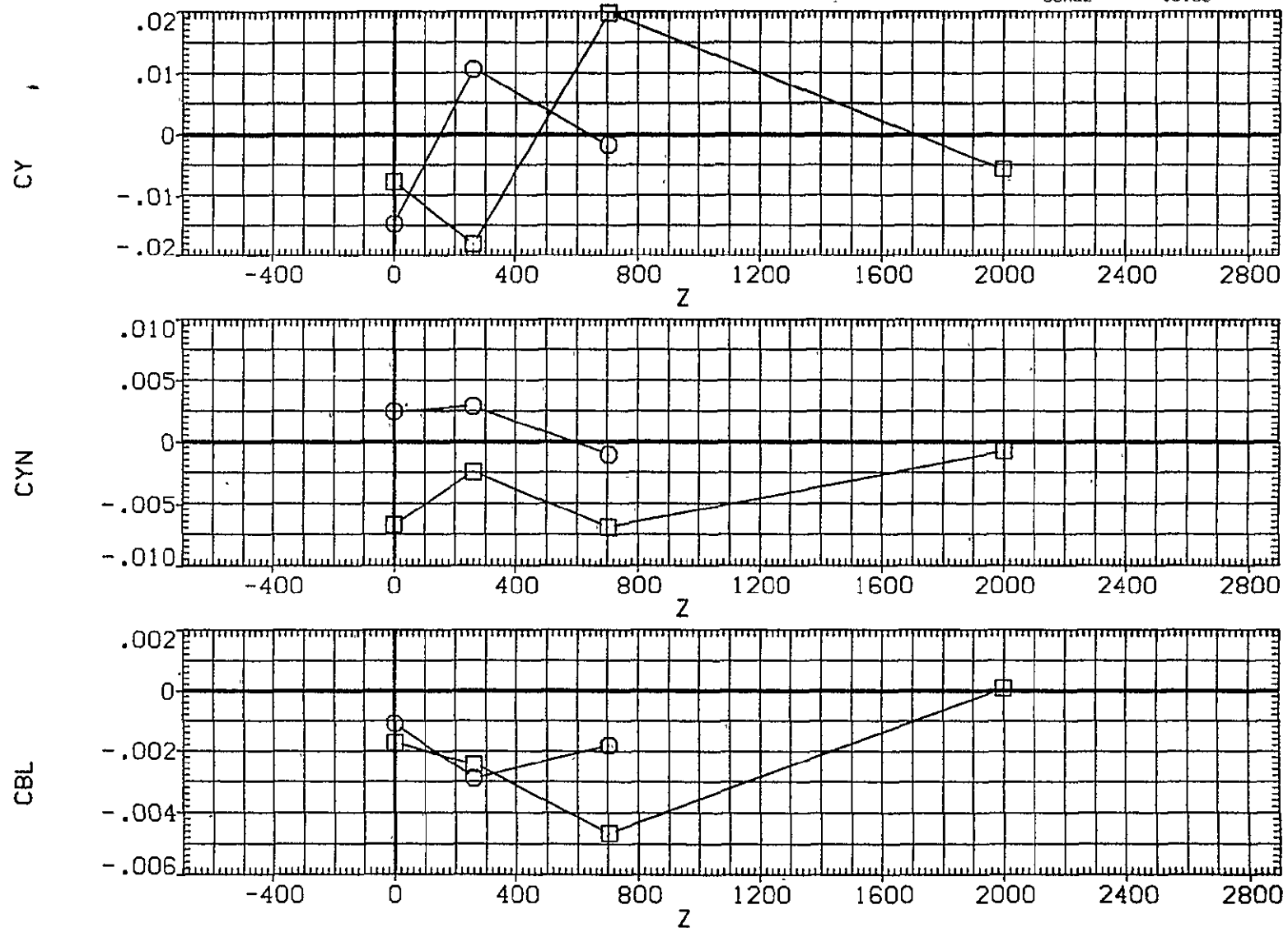
EFFECT OF SEPARATION DISTANCE ON O/ET AERO CHARACT. (RN/L=1.4, PJ=1500)

(A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RTQ334) ☐ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRING)
 (RTL332) ☐ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 10.000 .000
 10.000 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FY.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON 0/ET AERO CHARACT. (RN/L=1.4, PJ=1500)

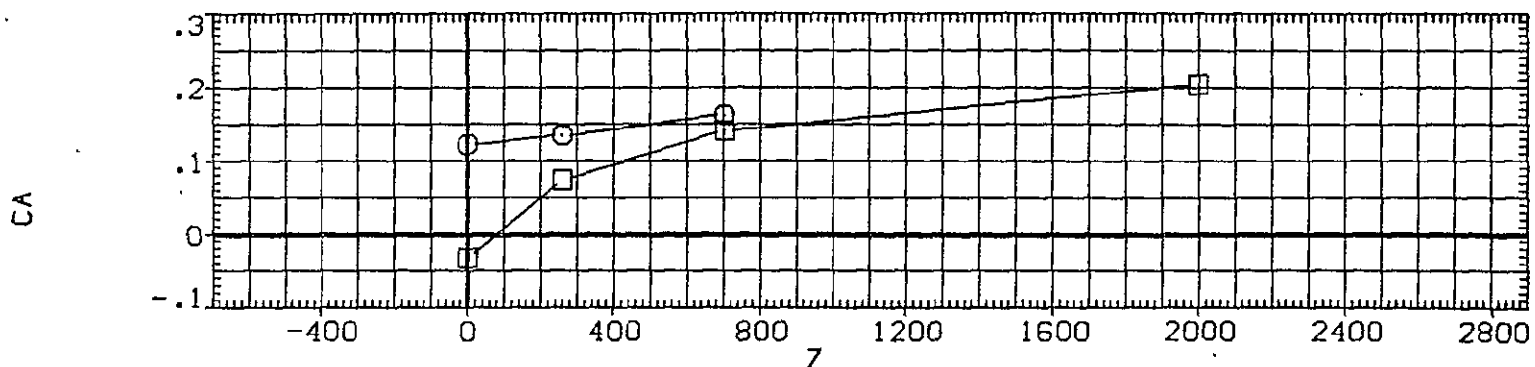
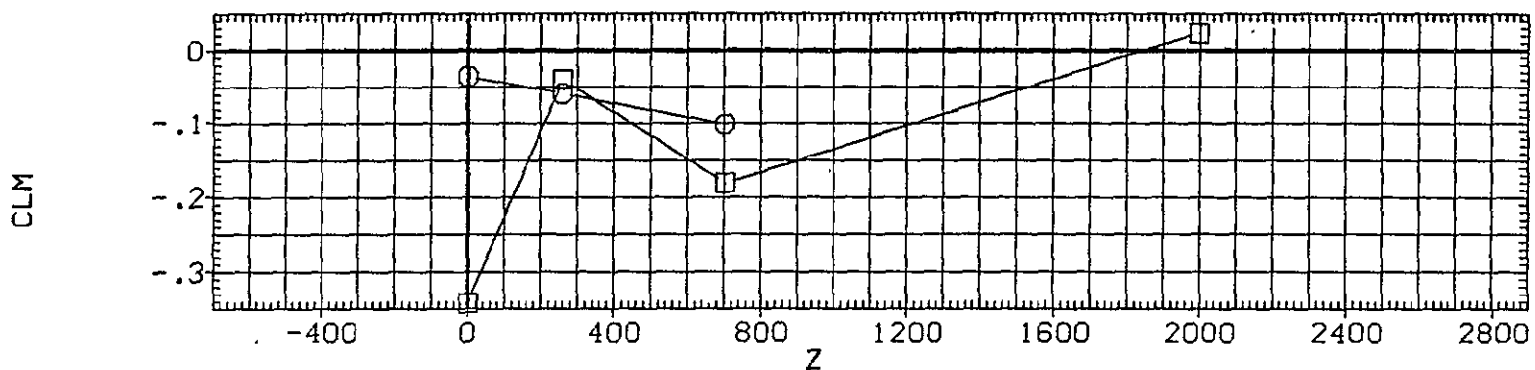
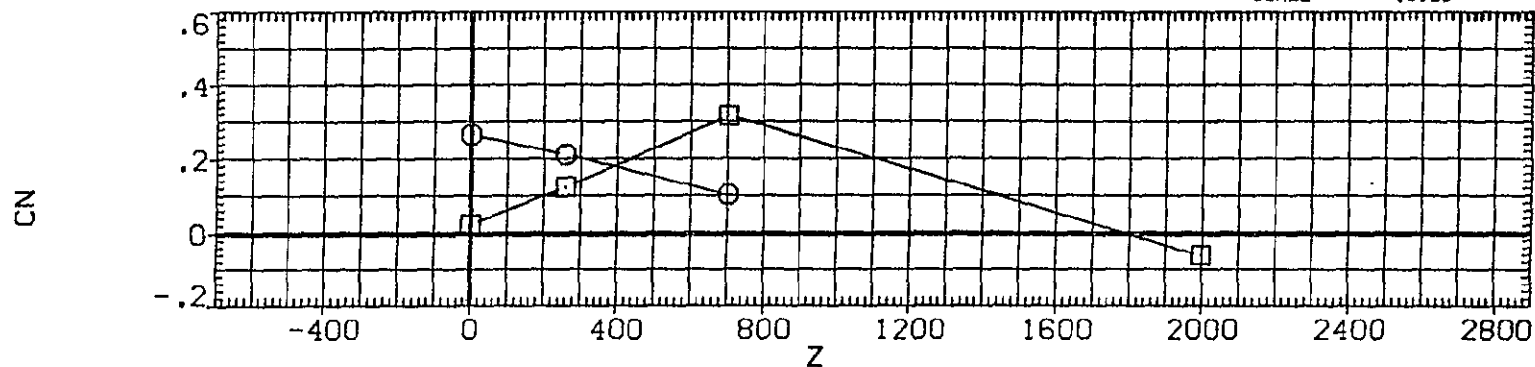
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RTG136) ○ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)
 (RTL133) □ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 -10.000
 .000 -10.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON 0/ET AERO CHARACT. (RN/L=1.4, PJ=1500)

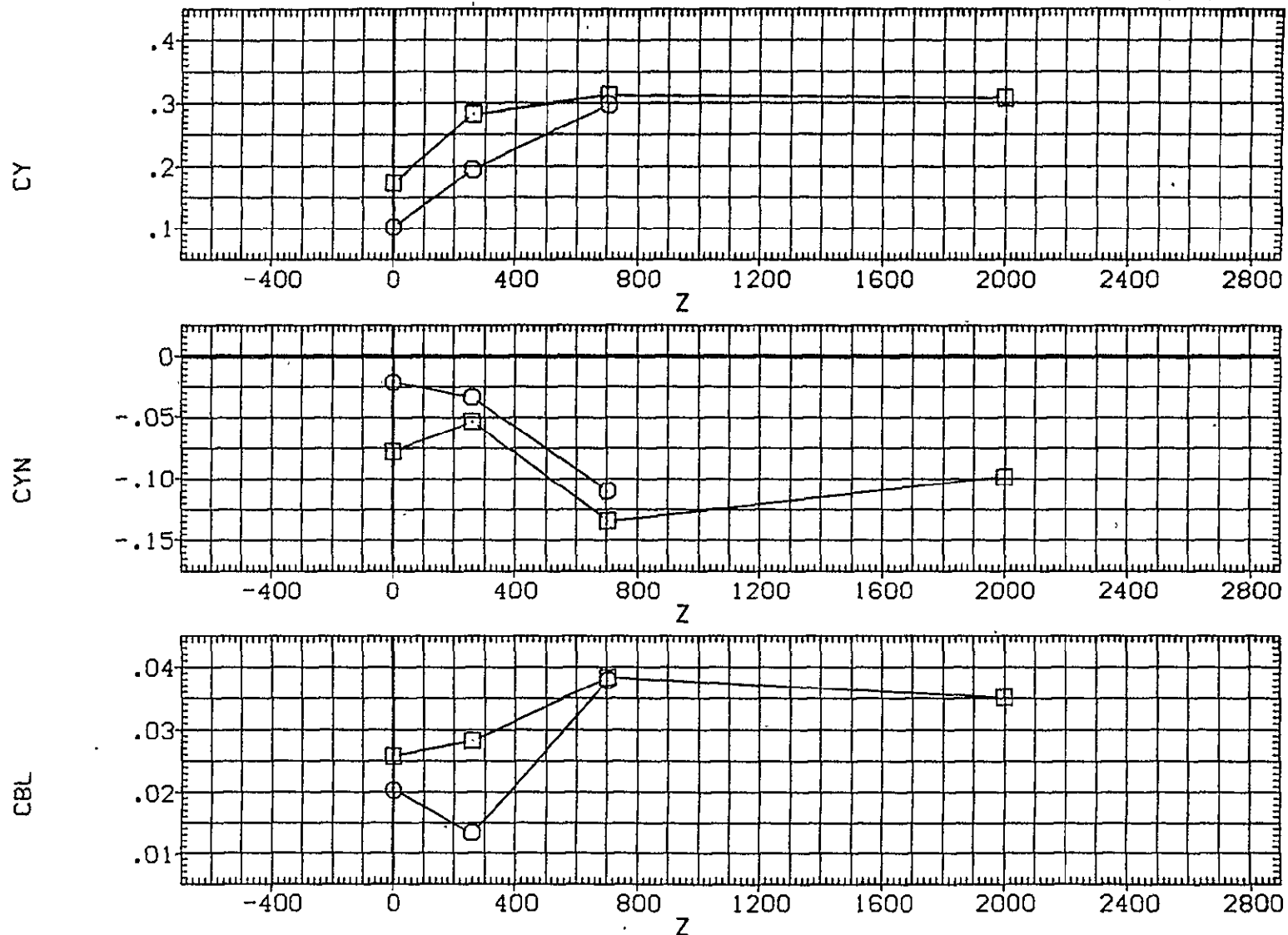
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RTQ136) ○ AEDC VA422 1A61 O/ET1S1 O/ET DATA (SRB SEPRNG)
 (RTL133) □ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 -10.000
 .000 -10.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON O/ET AERO CHARACT. (RN/L=1.4, PJ=1500)

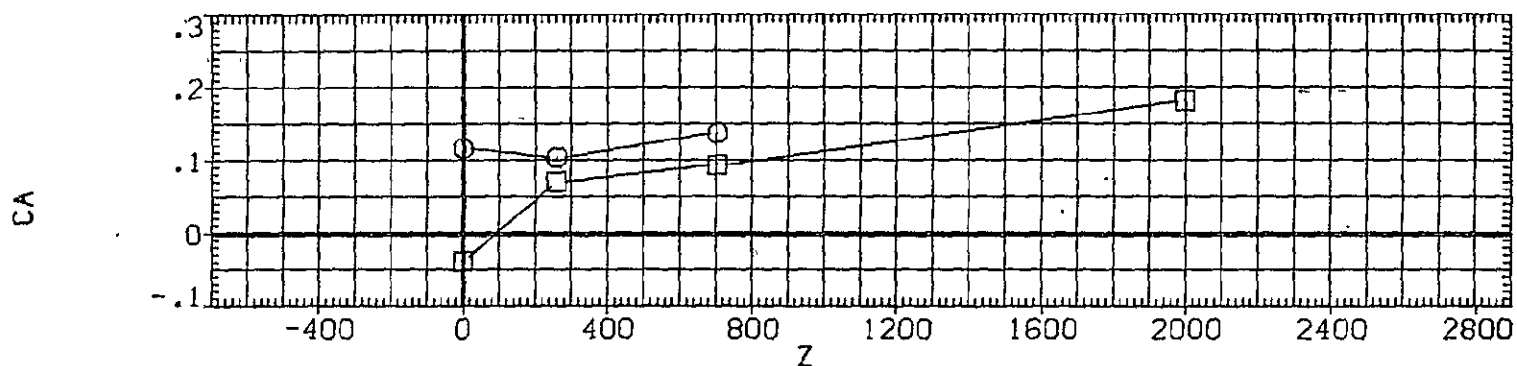
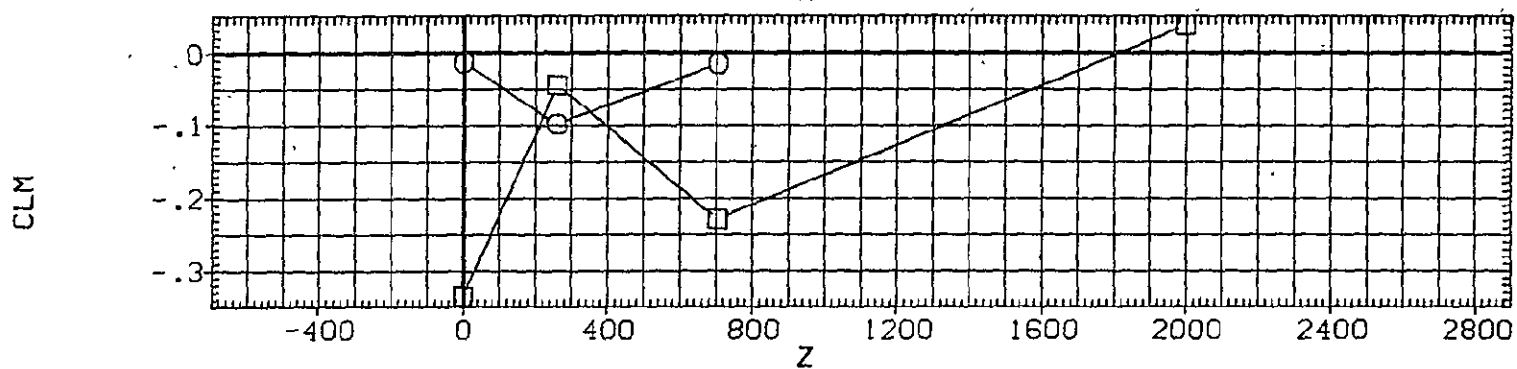
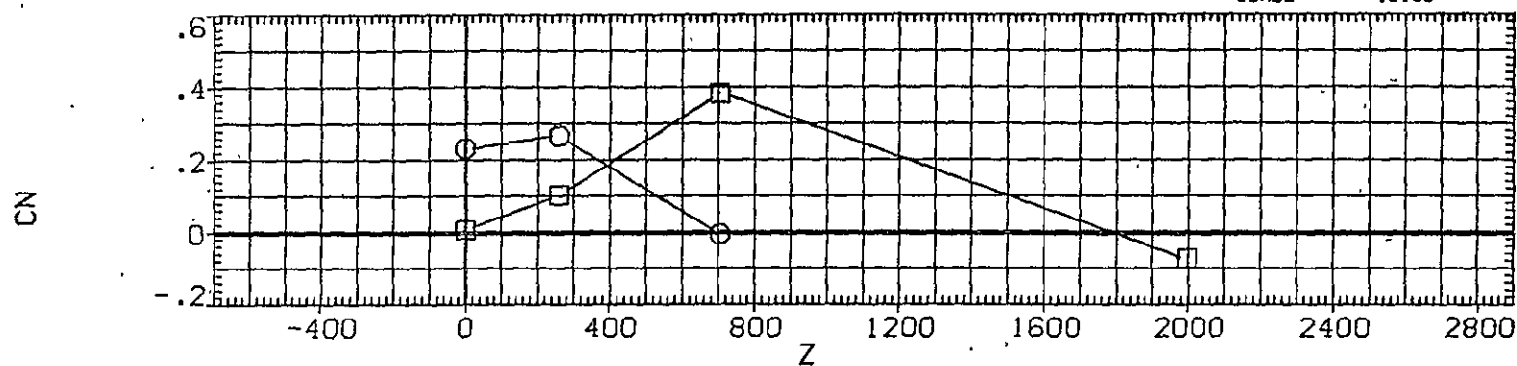
(A)MACH = 4.50

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DATA SET SYMBOL · CONFIGURATION DESCRIPTION
 (RTQ236) ○ AEDC VA422 1AG1 01ET1S1 O/ET DATA (SRB SEPRTNG)
 (RTL233) □ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 .000
 .000 .000



REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON O/ET AERO CHARACT. (RN/L=1.4, PJ=1500)

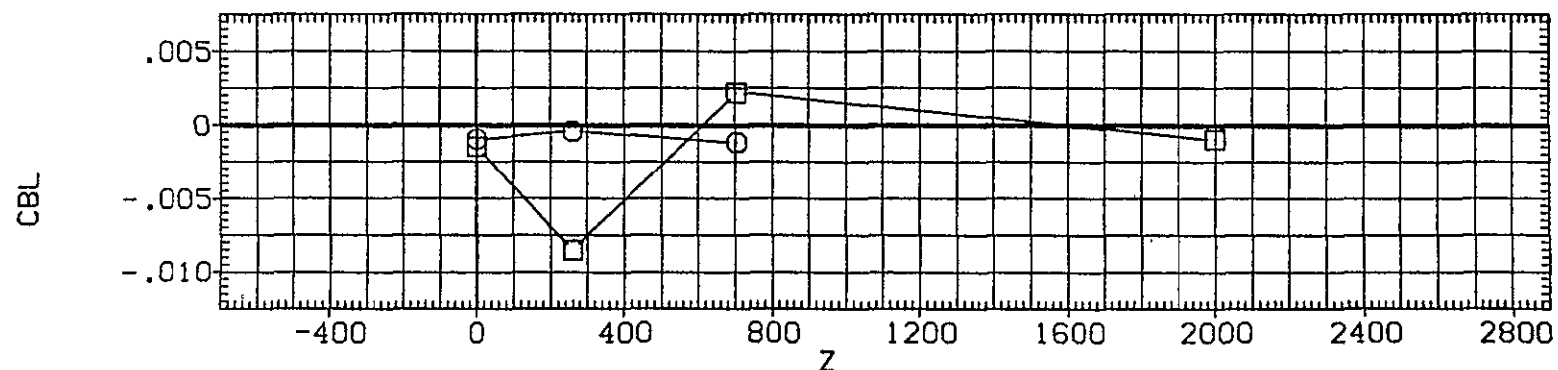
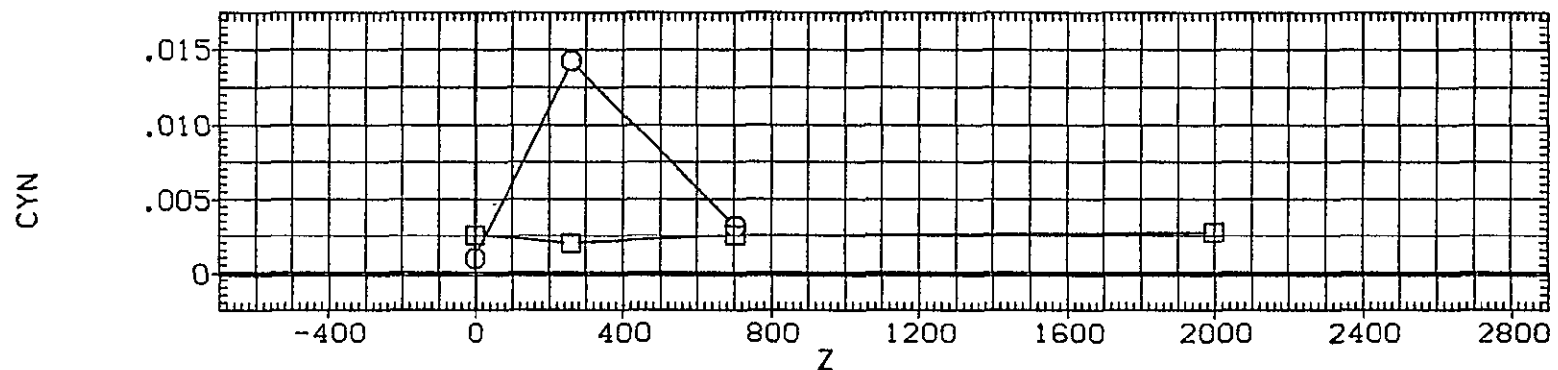
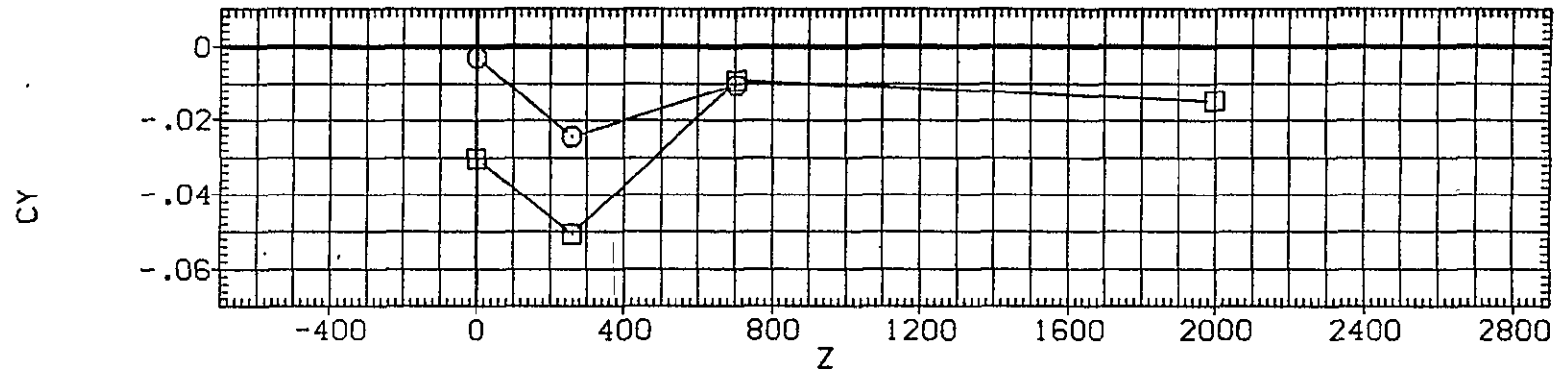
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RTQ236)  AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRTING)
 (RTL233)  AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB

ALPHA BETA
 .000 .000
 .000 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON 0/ET AERO CHARACT. (RN/L=1.4, PJ=1500)

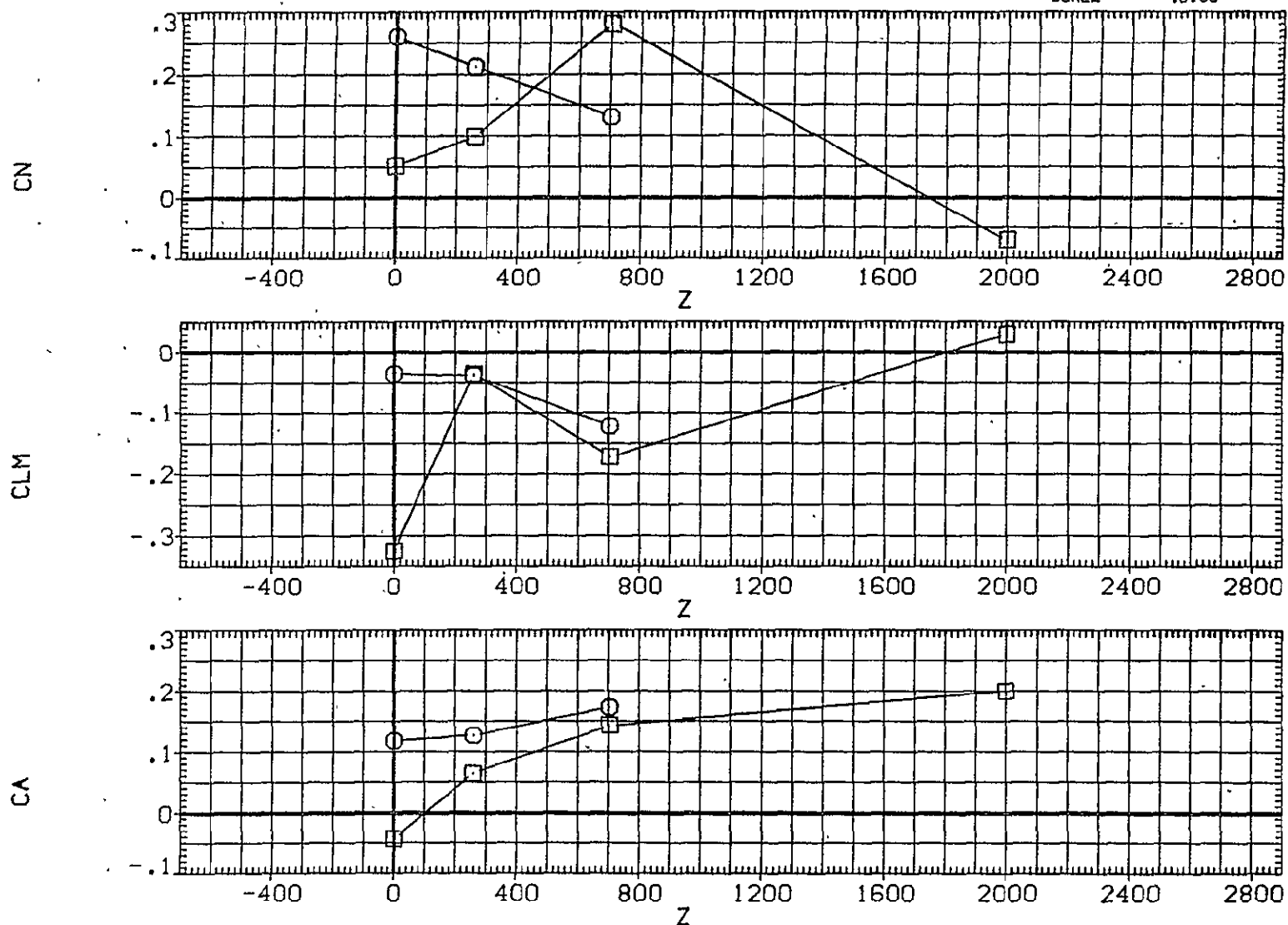
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RTG336) ○ AEDC VA422 IAG1 01ET15: 0/ET DATA (SRB SEPRNG)
 (RTL333) □ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 10.000
 .000 10.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON O/ET AERO CHARACT. (RN/L=1.4, PJ=1500)

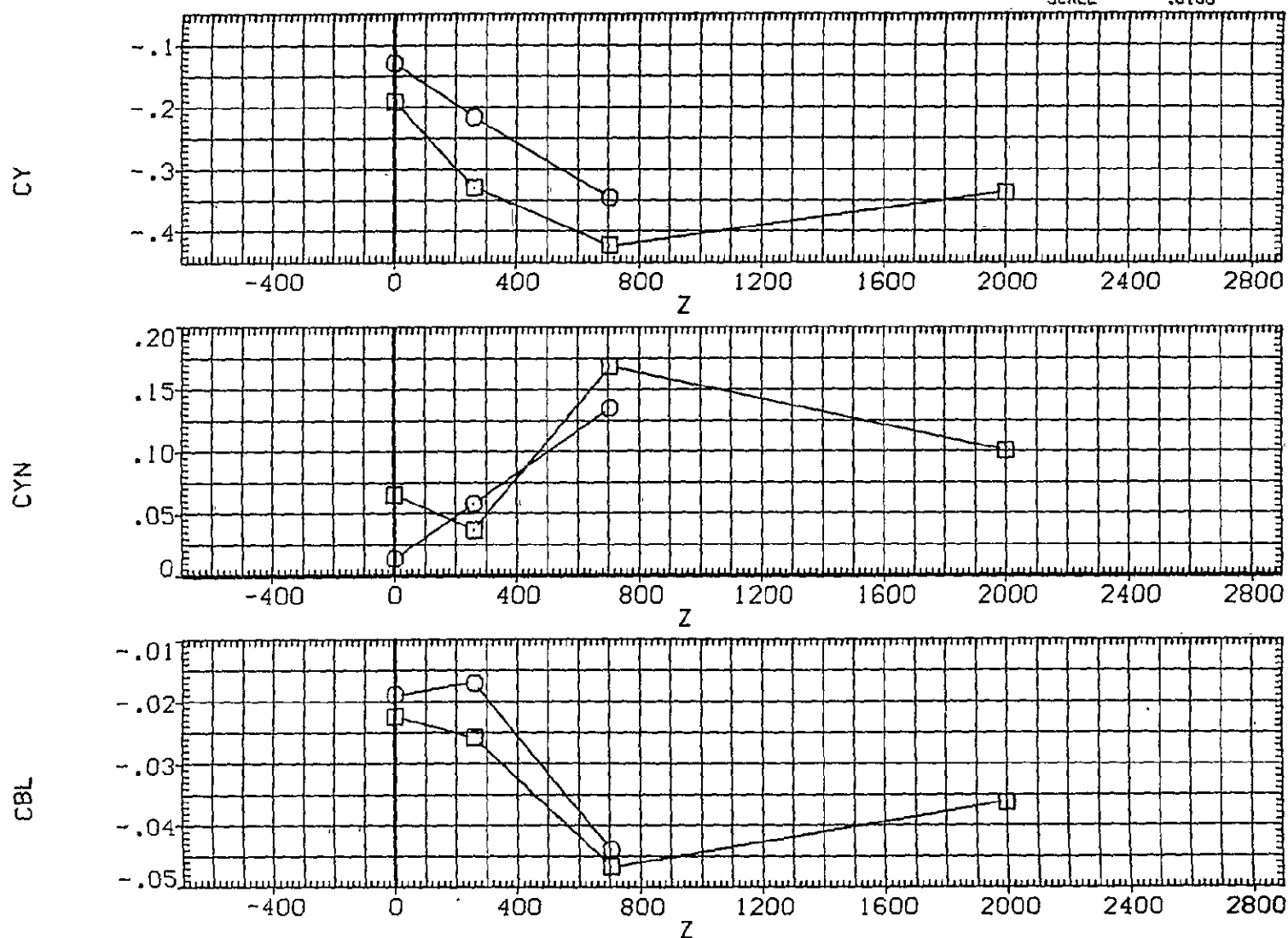
(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RTQ336) ○	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)
(RTL333) □	AEDC VA-422(1A-57). 0RB/ET W/BOTH SRB

ALPHA	BETA
.000	10.000
.000	10.000

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	1290.3000 IN.
BREF	1290.3000 IN.
XMRP	1052.0000 IN.XT
YMRP	.0000 IN.YT
ZMRP	447.0000 IN.ZT
SCALE	.0100



EFFECT OF SEPARATION DISTANCE ON O/ET AERO CHARACT. (RN/L=1.4, PJ=1500)

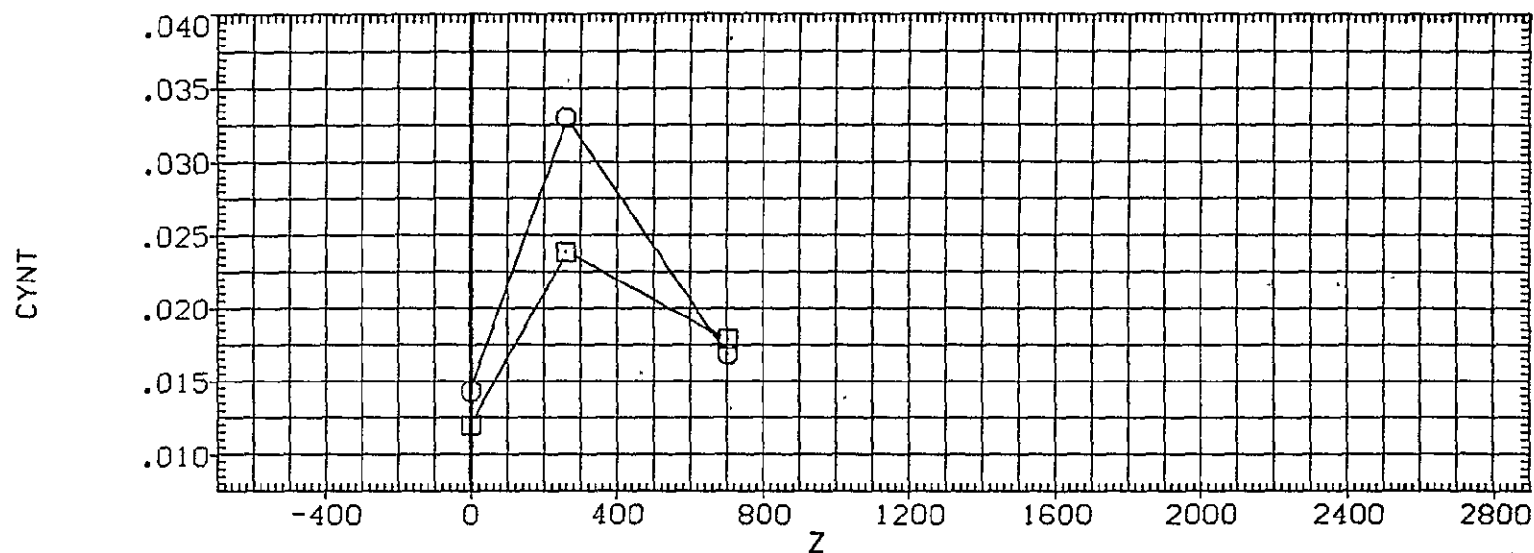
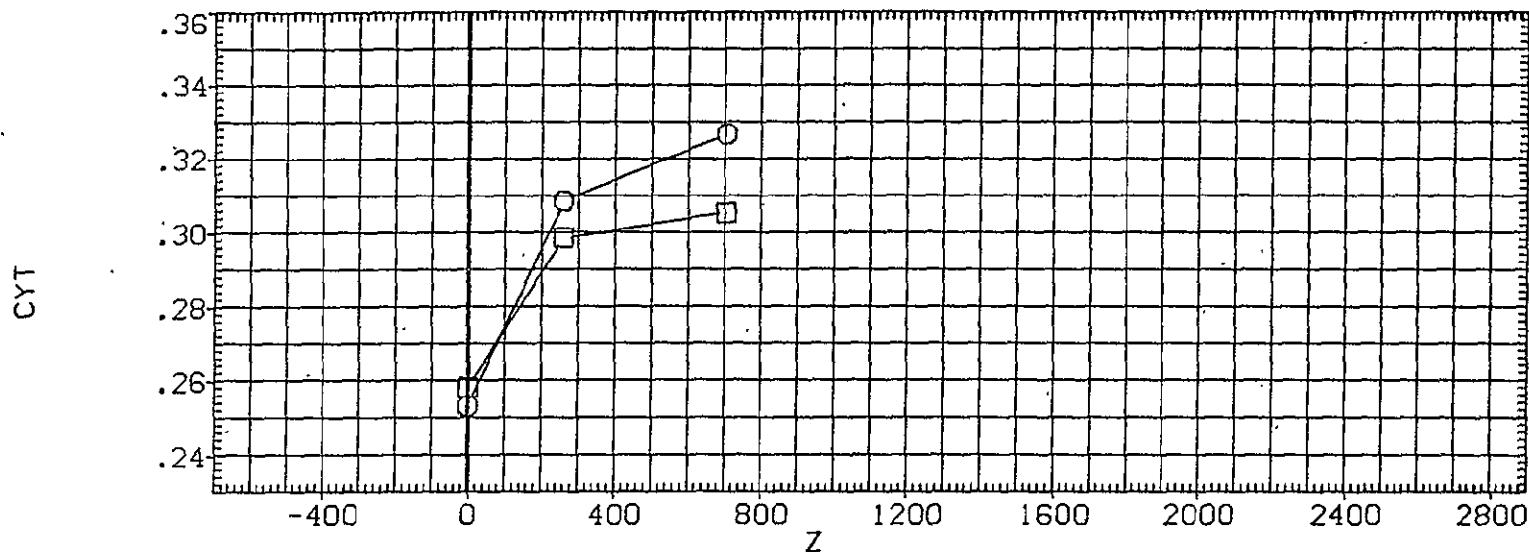
(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(STQ140)	○ AEDC VA422 1AG1 01ET1S1 SRB DATA (0/ET SEPRTNG)
(STL136)	□ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA	BETA
-10.000	.000
-10.000	.000



REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	1290.3000	IN.
BREF	1290.3000	IN.
XMRP	1167.0000	IN.XS
YMRP	.0000	IN.YS
ZMRP	400.0000	IN.ZS
SCALE	.0100	



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.76, PJ= 750)

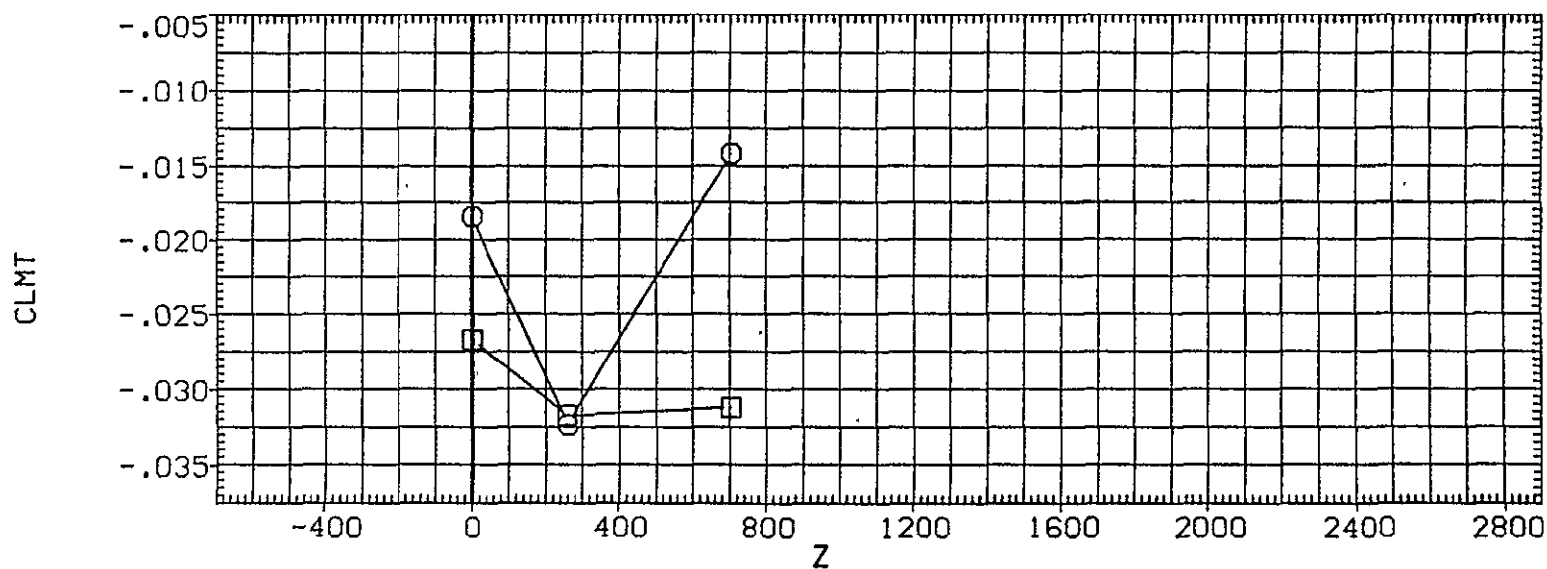
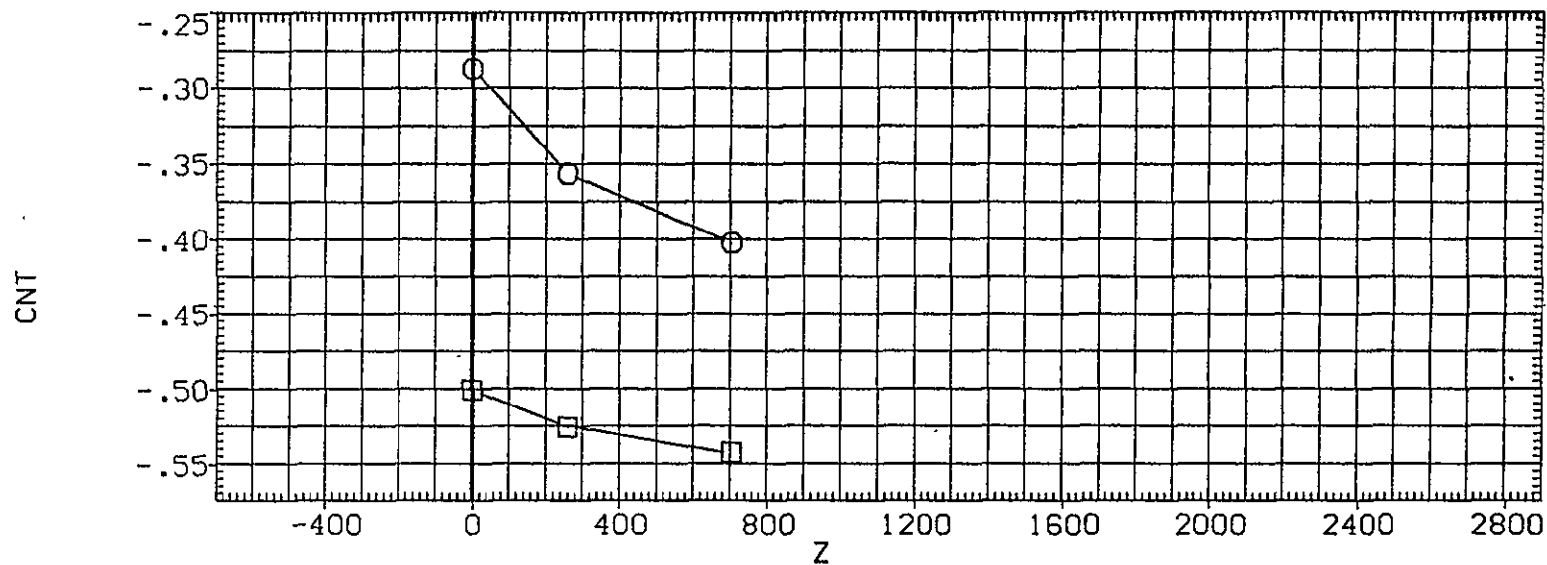
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ140)  AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)
 (STL136)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 -10.000 .000
 -10.000 .000

REFERENCE INFORMATION
 SREF 2690.0000 50.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.76, PJ= 750)

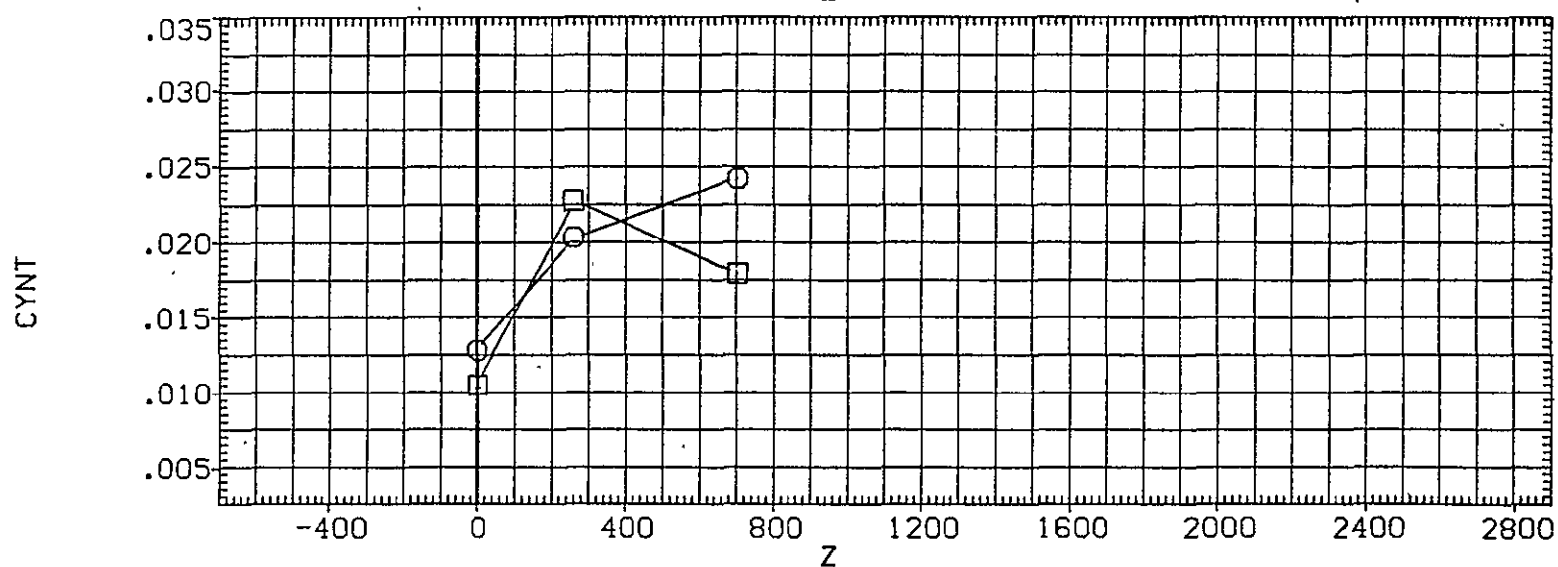
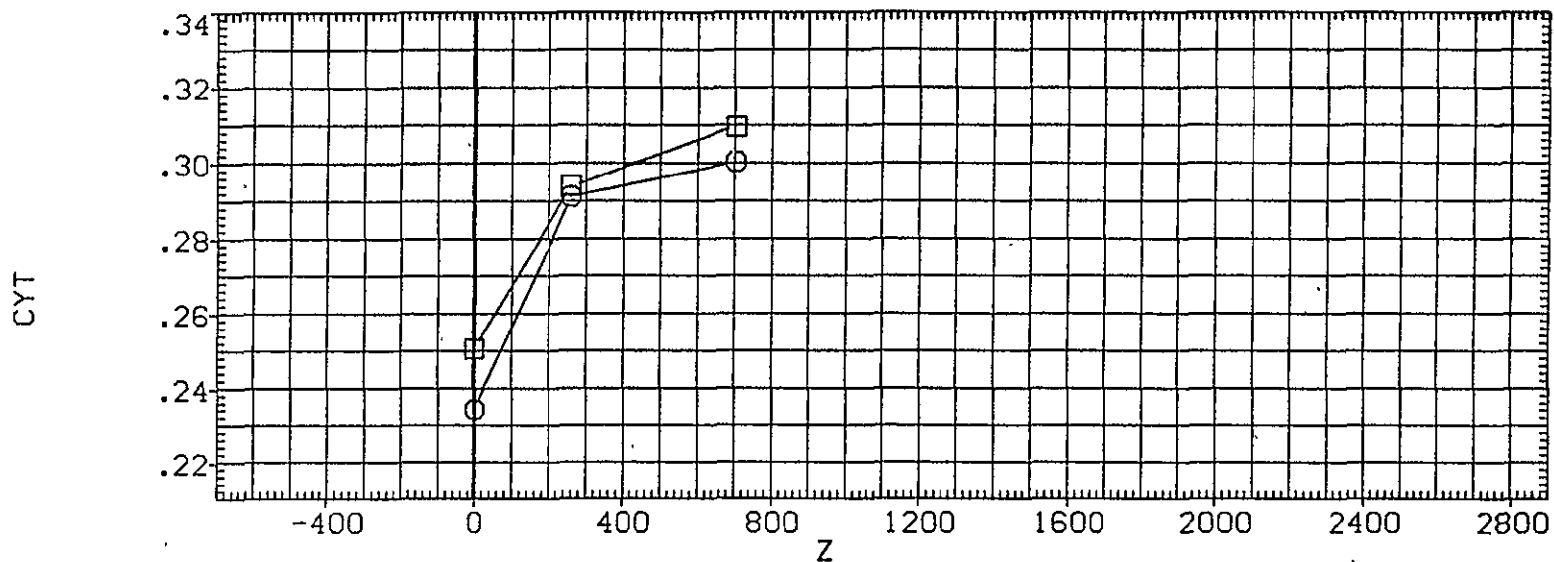
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0240) ○ AEDC VA422 1A61 Q1ET1S1 SRB DATA (O/ET SEPRNG)
 (STL236) □ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 .000
 .000 .000



REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.76, PJ= 750)

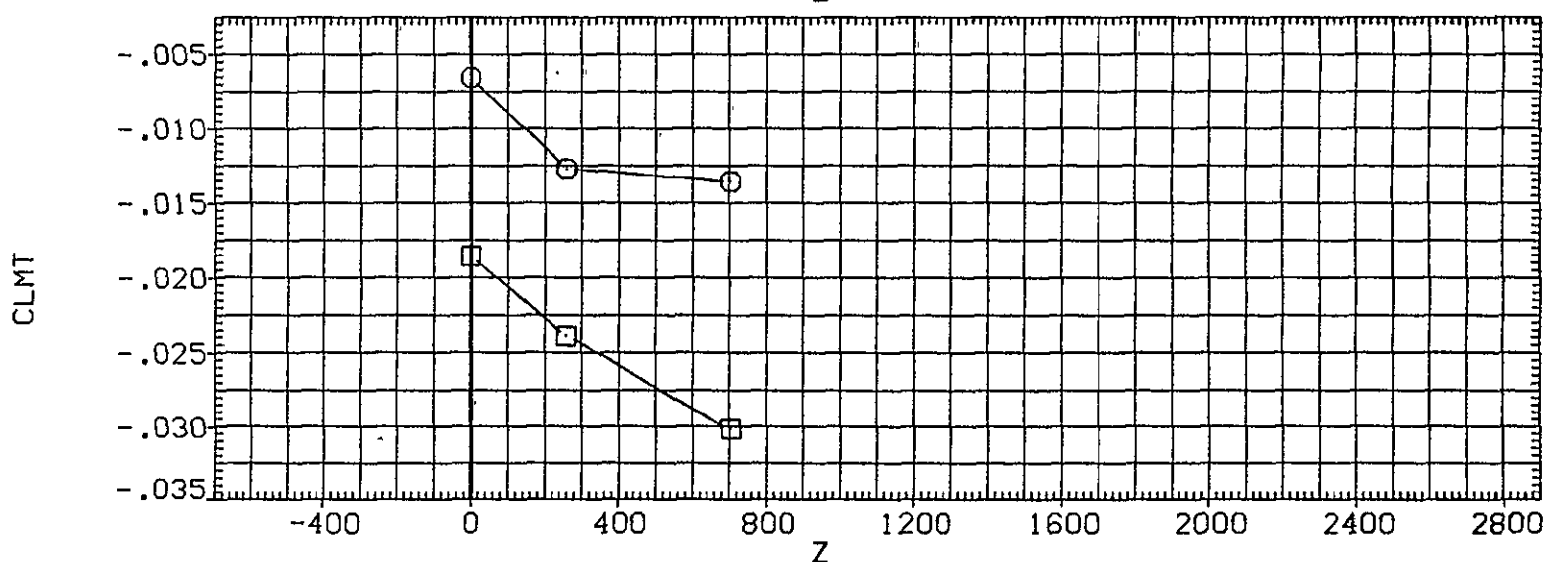
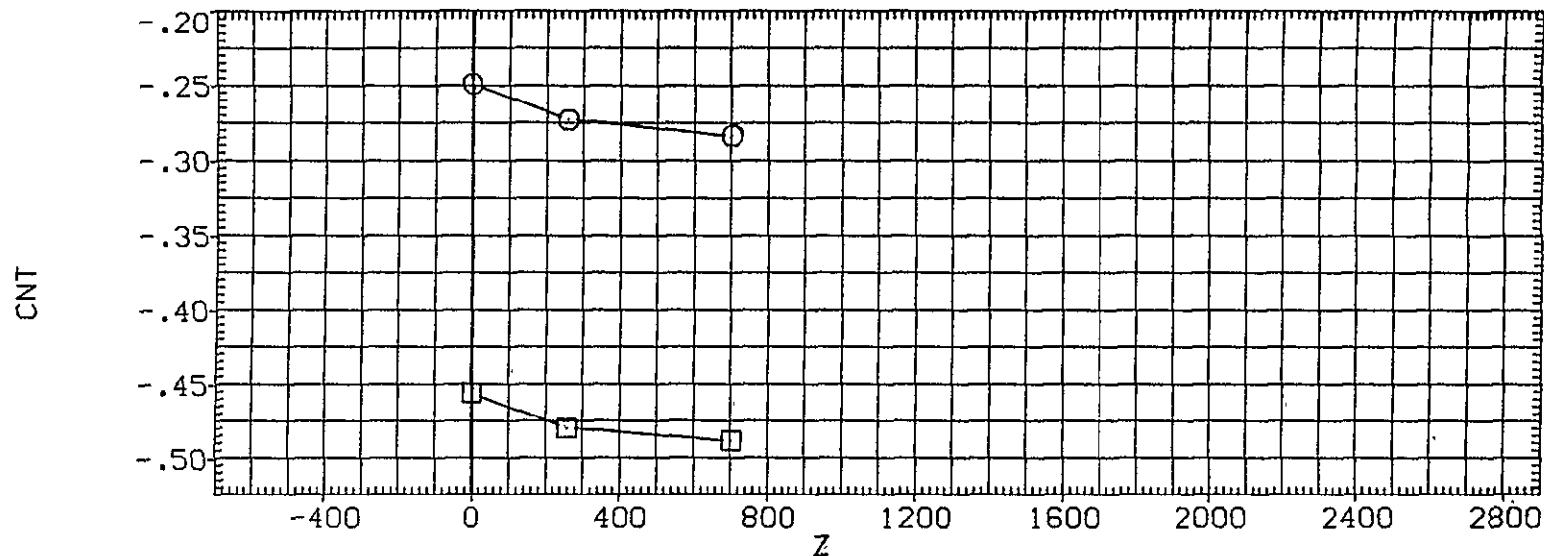
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0240)  AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)
 (STL236)  AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB

ALPHA BETA
 .000 .000
 .000 .000



REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.76, PJ= 750)

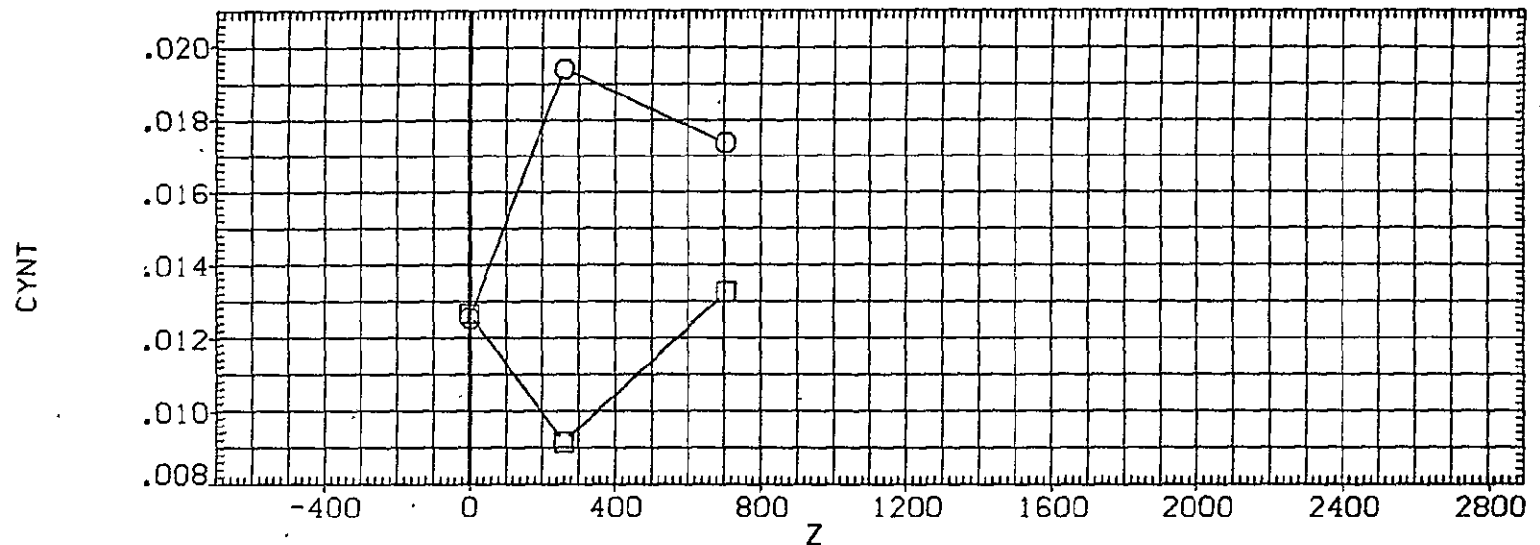
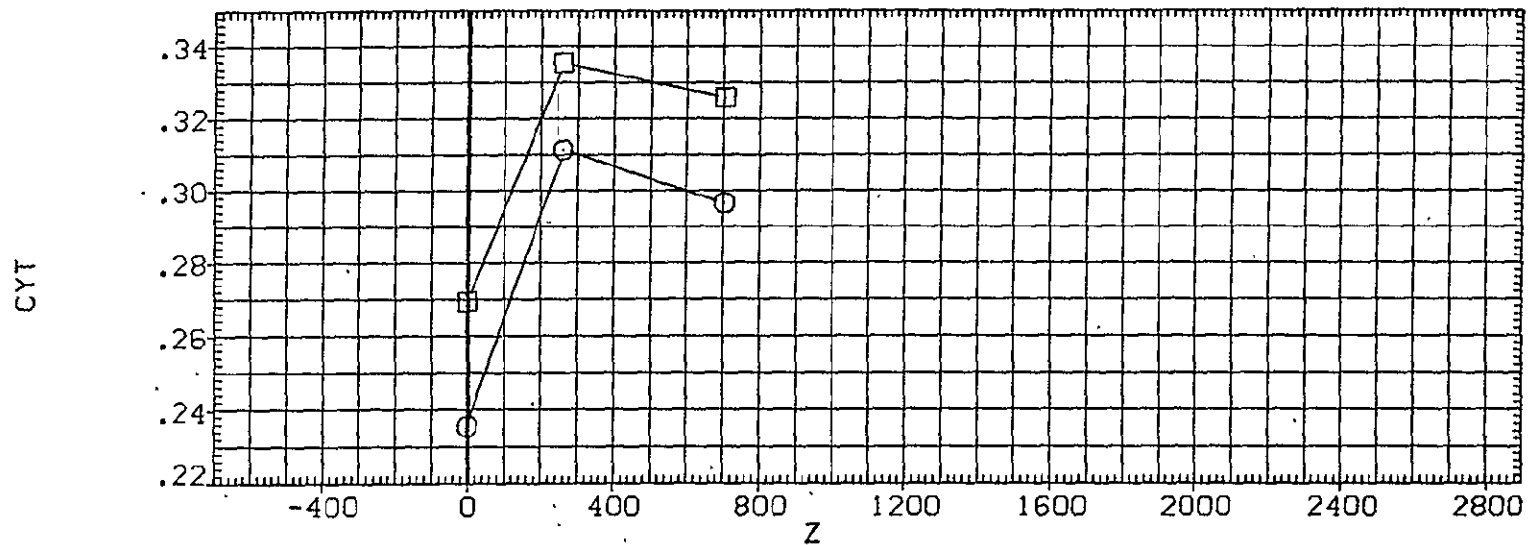
(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(STQ34Q) 	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)
(STL336) 	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA	BETA
10.000	.000
10.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	SO.FT.
LREF	1290.3000	IN.
BREF	1290.3000	IN.
XMRP	1167.0000	IN.XS
YMRP	.0000	IN.YS
ZMRP	400.0000	IN.ZS
SCALE	.0100	



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.76, PJ= 750)

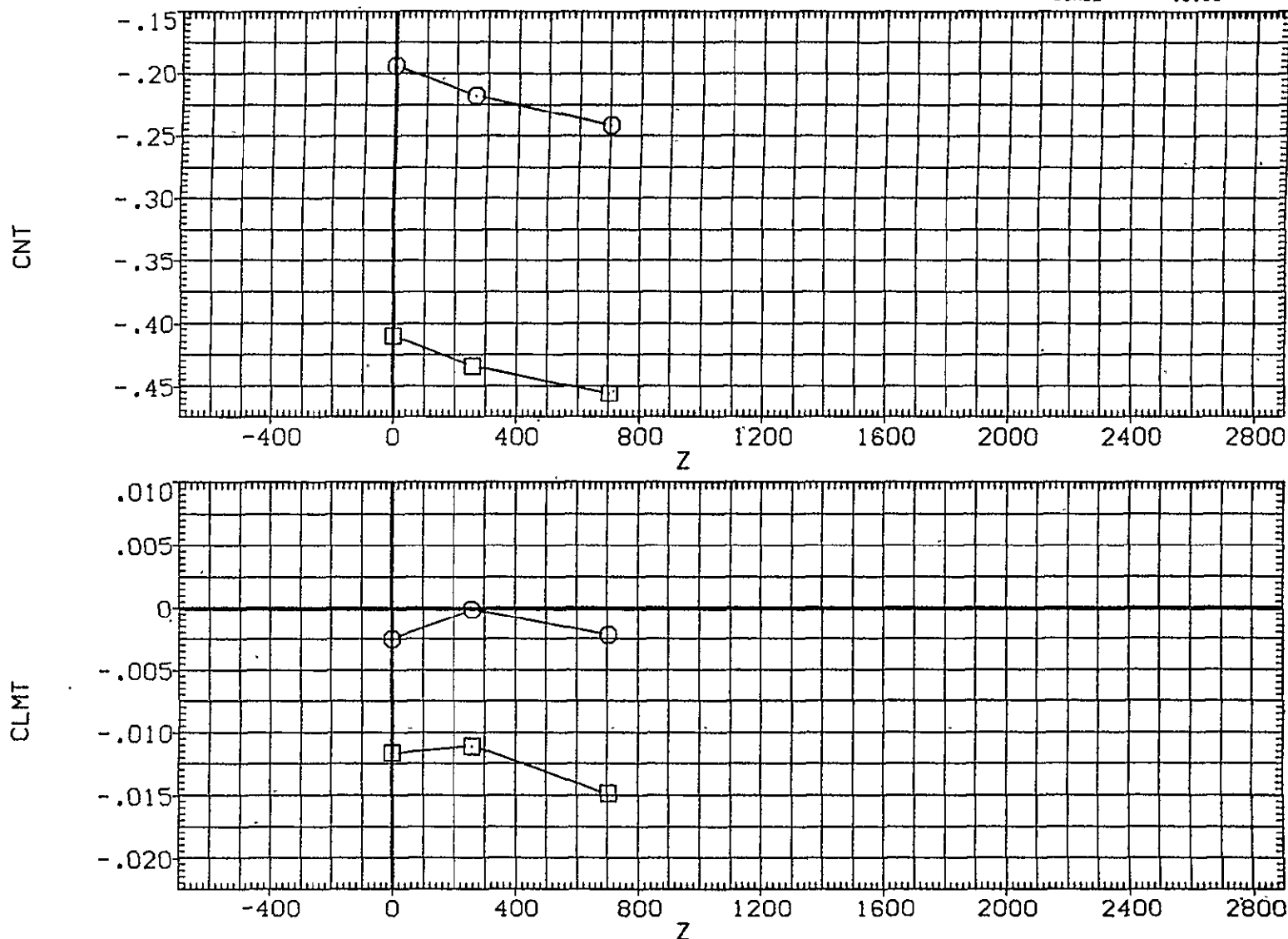
CA/MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ340) ☐ AEDC VA422 (A61 01ET151 SRB DATA (O/ET SEPRNG)
 (STL336) ☐ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 10.000 .000
 10.000 .000



REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.76, PJ= 750)

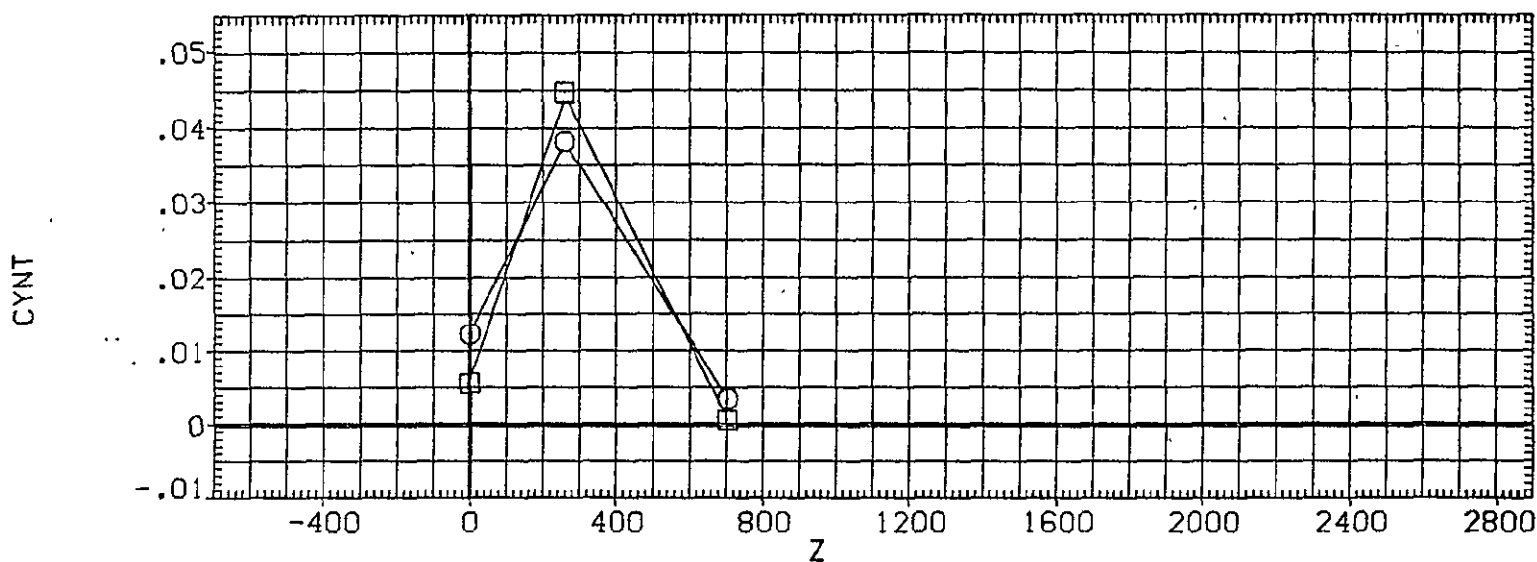
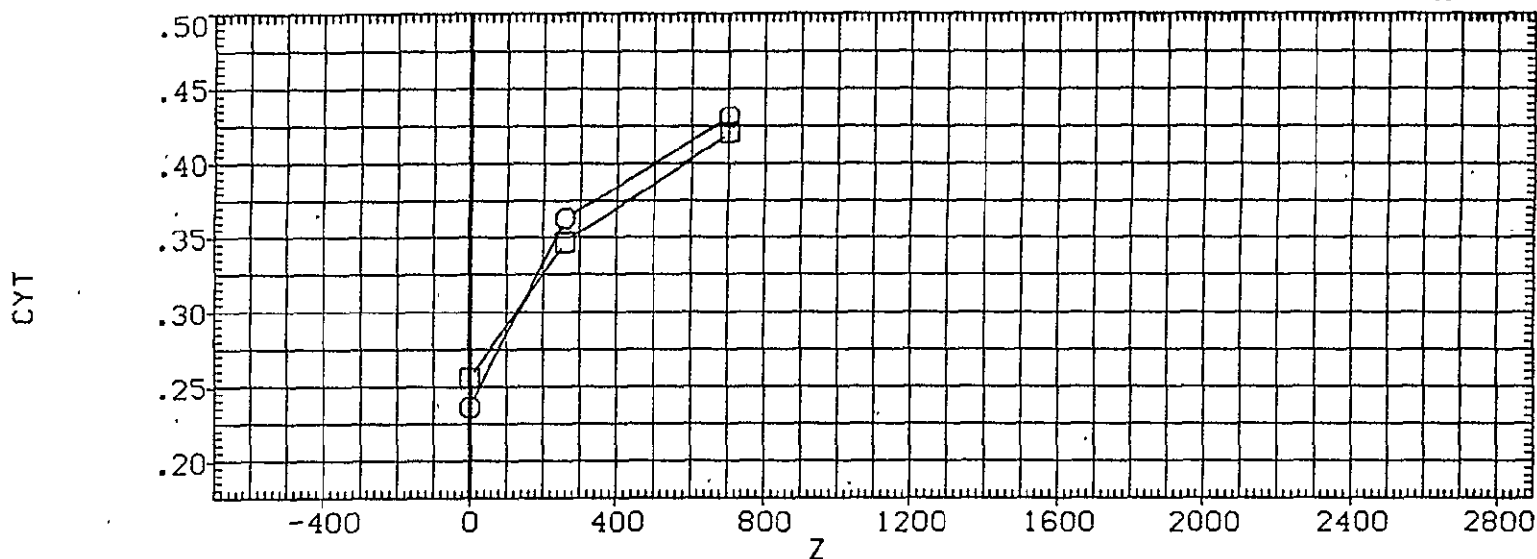
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ141)  AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTING)
 (STL137)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 -10.000
 .000 -10.000



REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.76, PJ= 750)

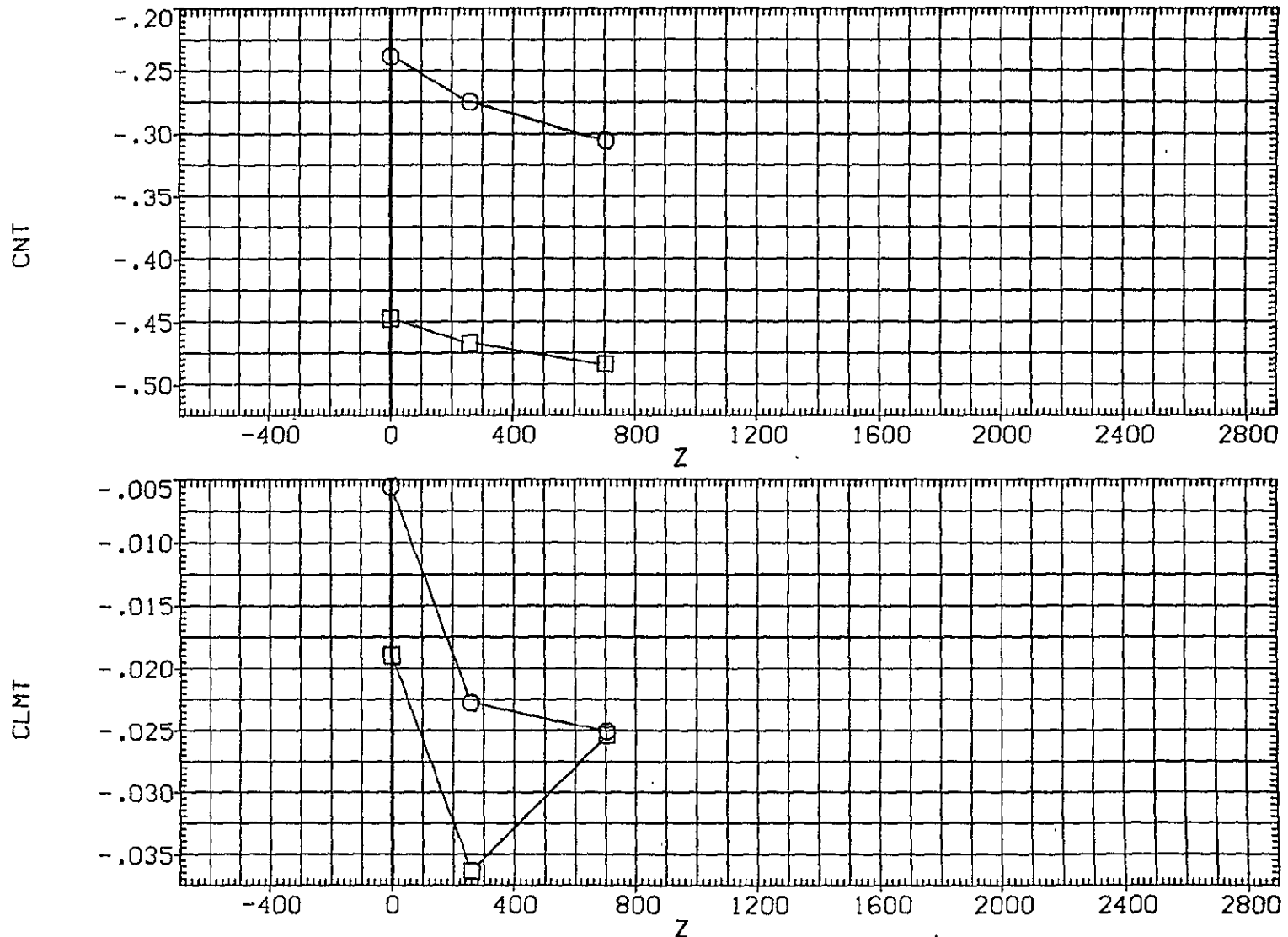
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0141)  AEDC VA422 1A61 01ET151 SRB DATA (O/ET SEPRNG)
 (STL137)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 -10.000
 .000 -10.000

REFERENCE INFORMATION
 SREF 2690.0000 50.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.76, PJ= 750)

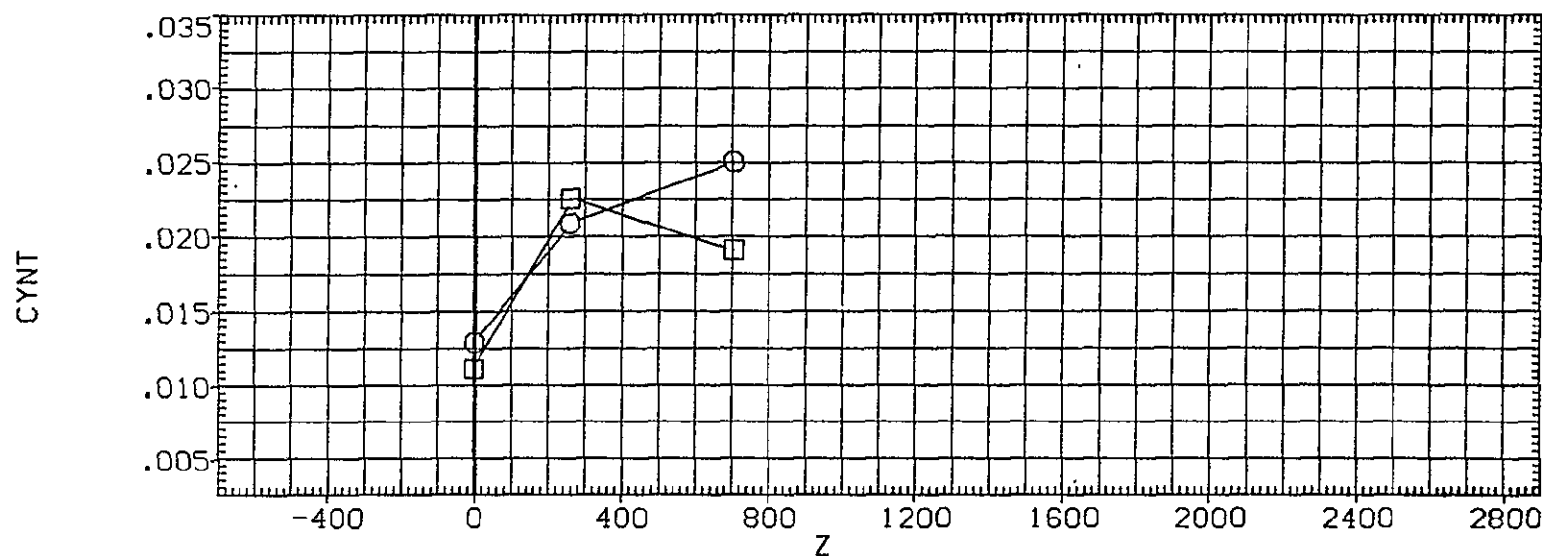
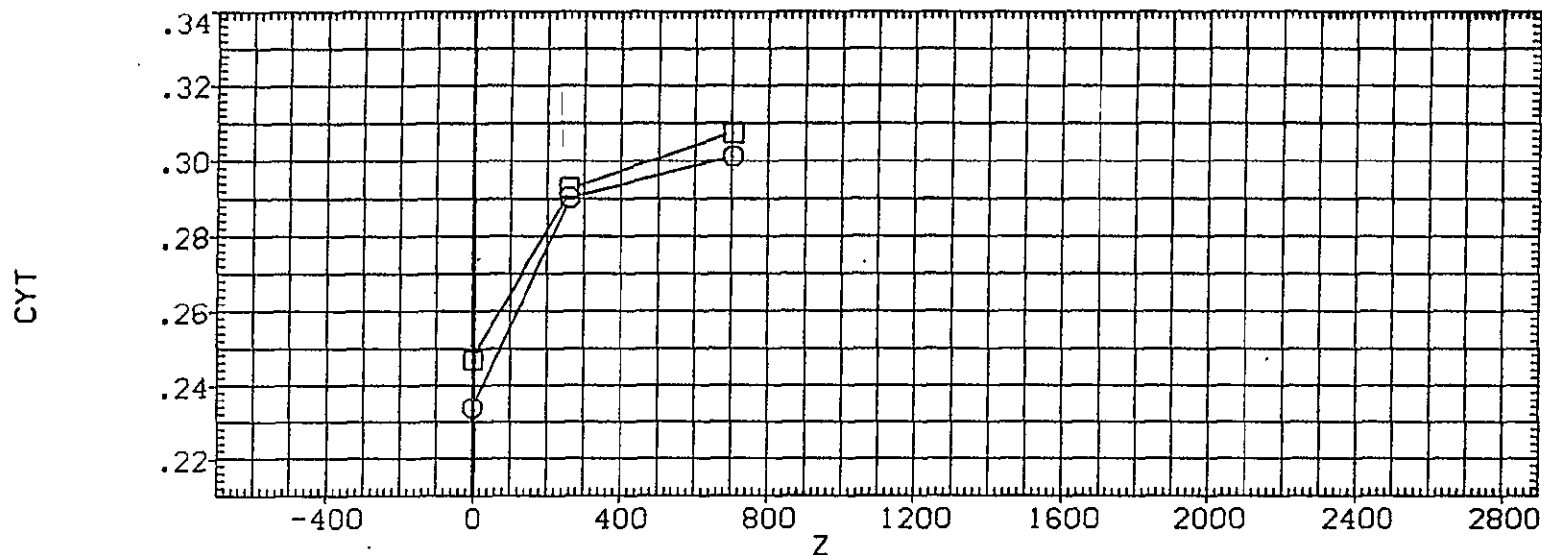
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0241) ○ AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)
 (STL237) □ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 .000
 .000 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.76, PJ= 750)

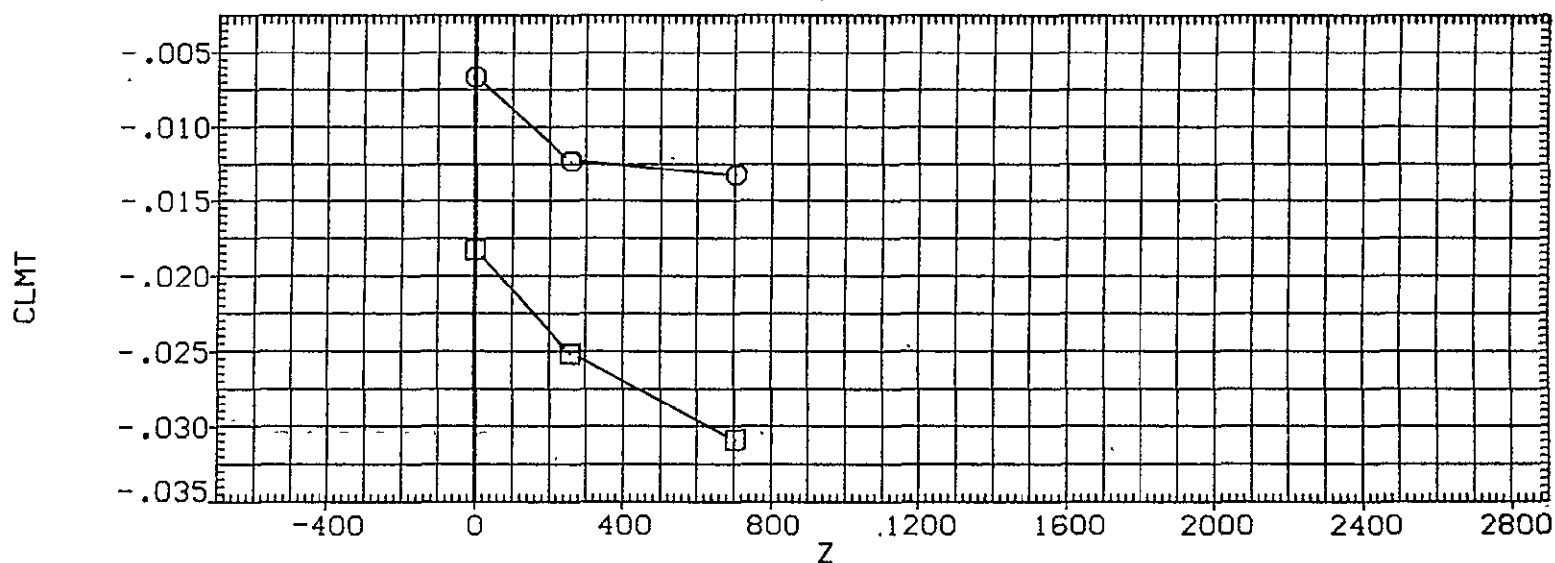
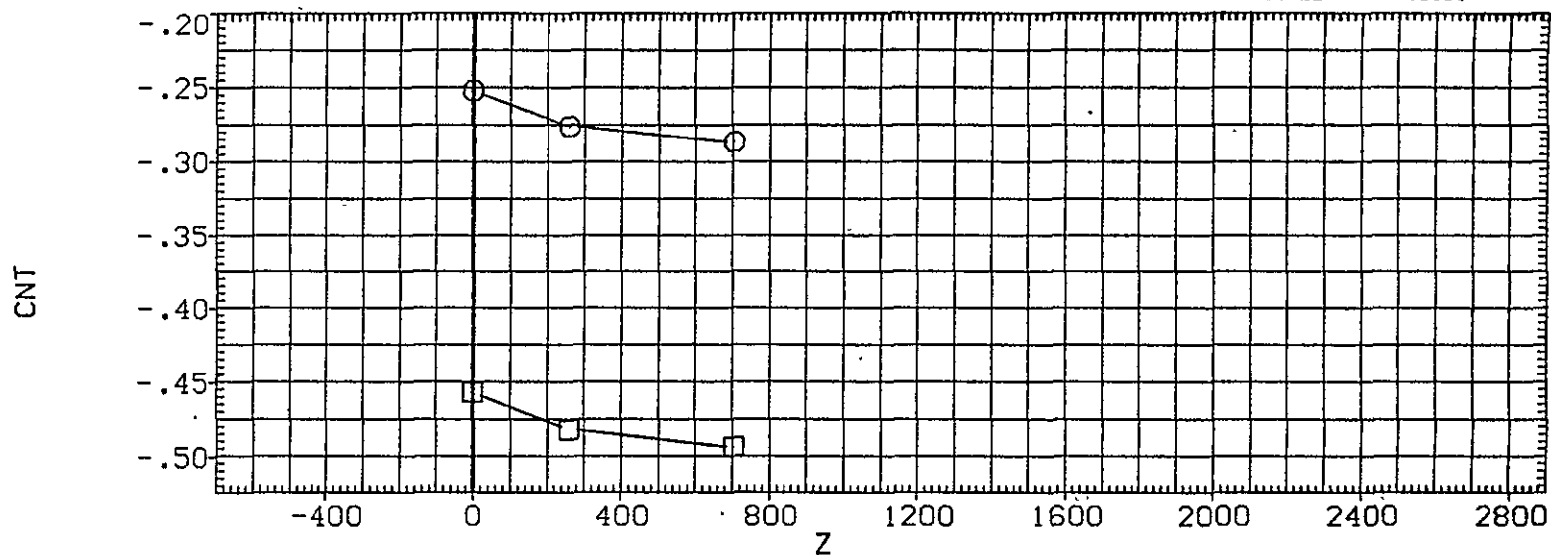
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0241) ○ AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)
 (STL237) □ AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB

ALPHA BETA
 .000 .000
 .000 .000

REFERENCE INFORMATION
 SREF 2690.0000 50.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.76, PJ= 750)

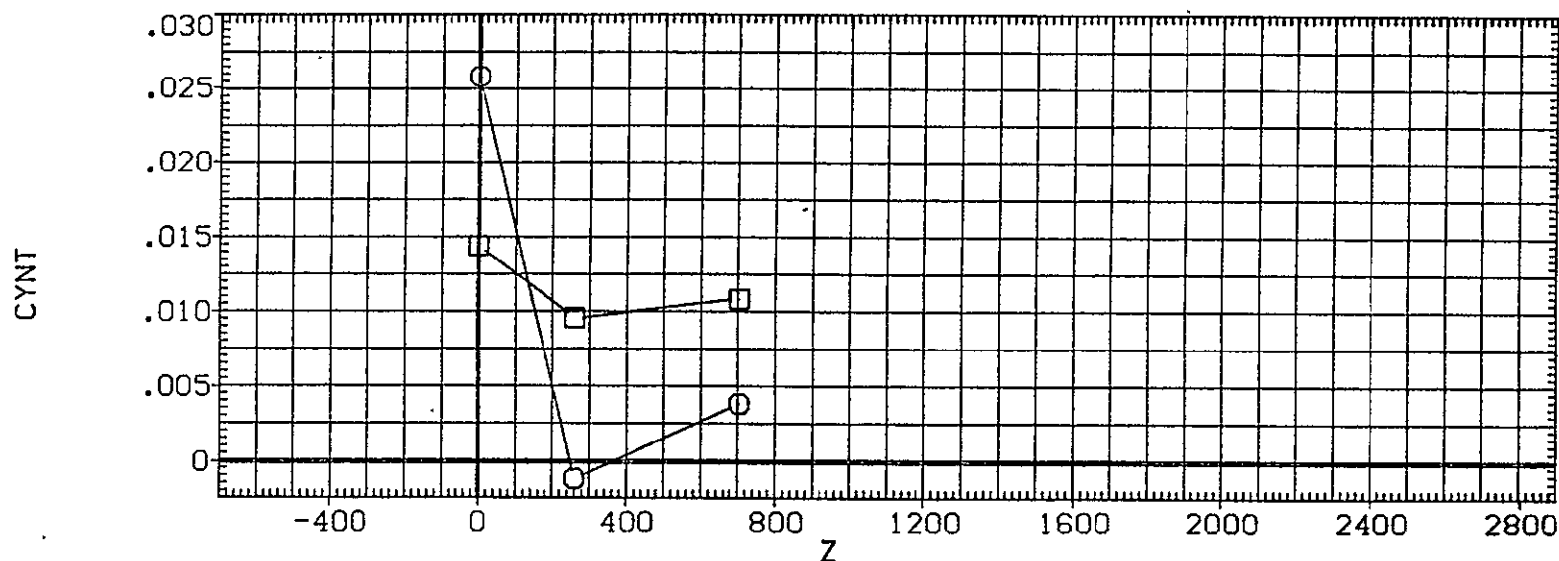
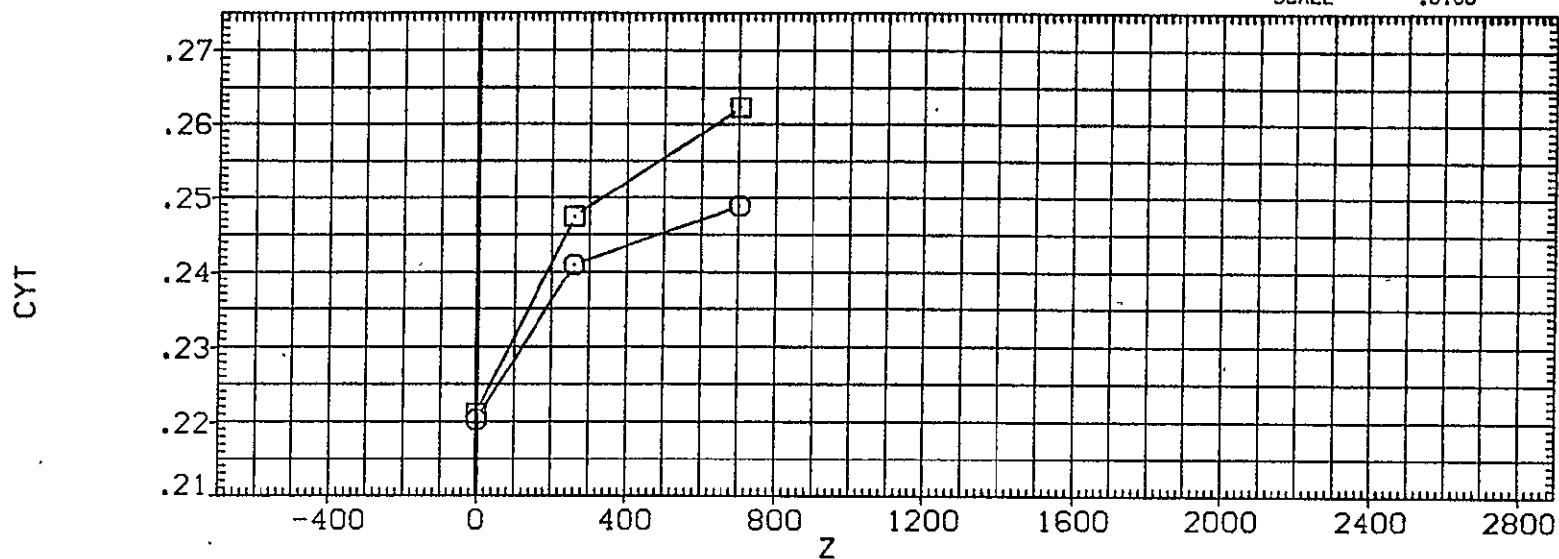
(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(STQ341)	○ AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRTING)
(STL337)	□ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA	BETA
.000	10.000
.000	10.000



REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	1290.3000 IN.
BREF	1290.3000 IN.
XMRP	1167.0000 IN.XS
YMRP	.0000 IN.YS
ZMRP	400.0000 IN.ZS
SCALE	.0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.76, PJ= 750)

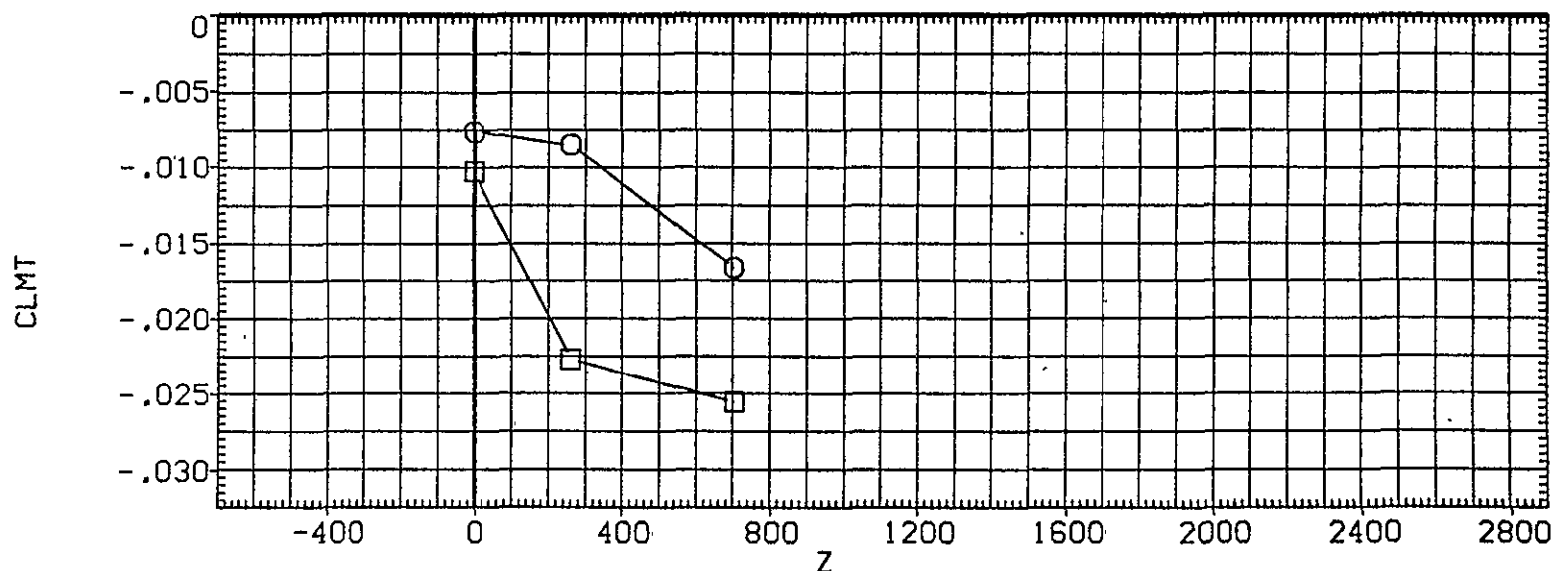
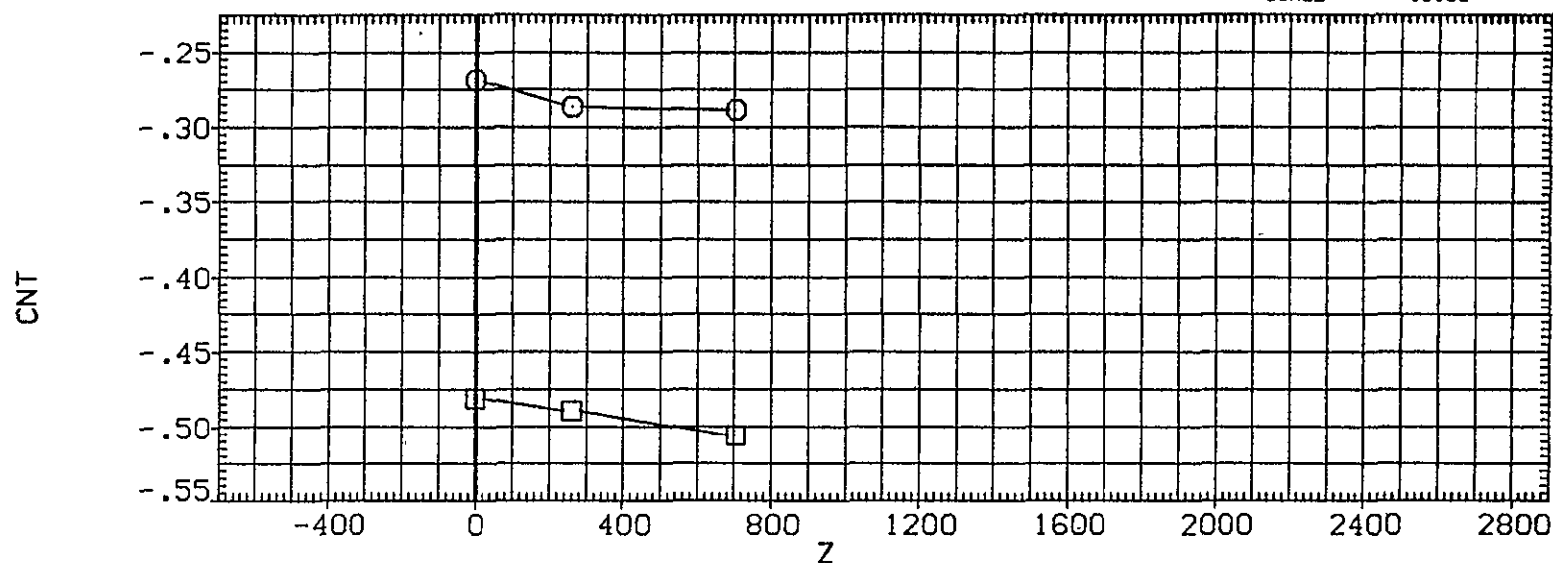
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0341)  AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)
 (STL337)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

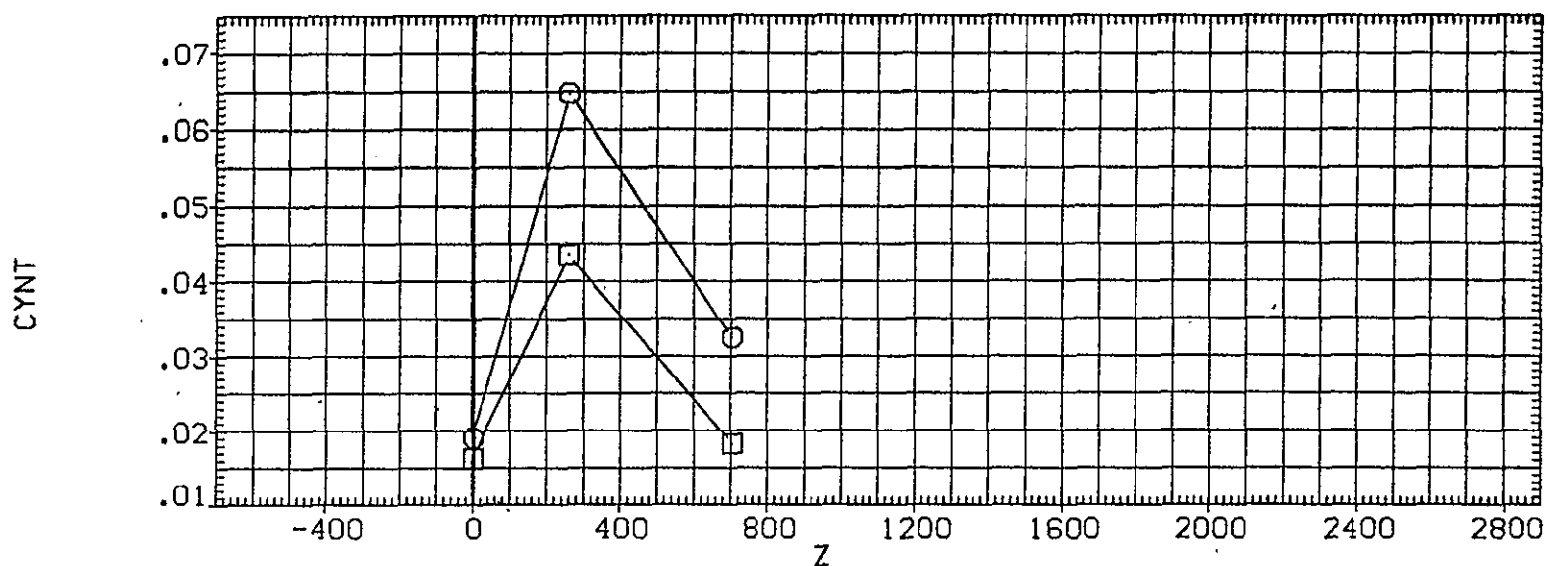
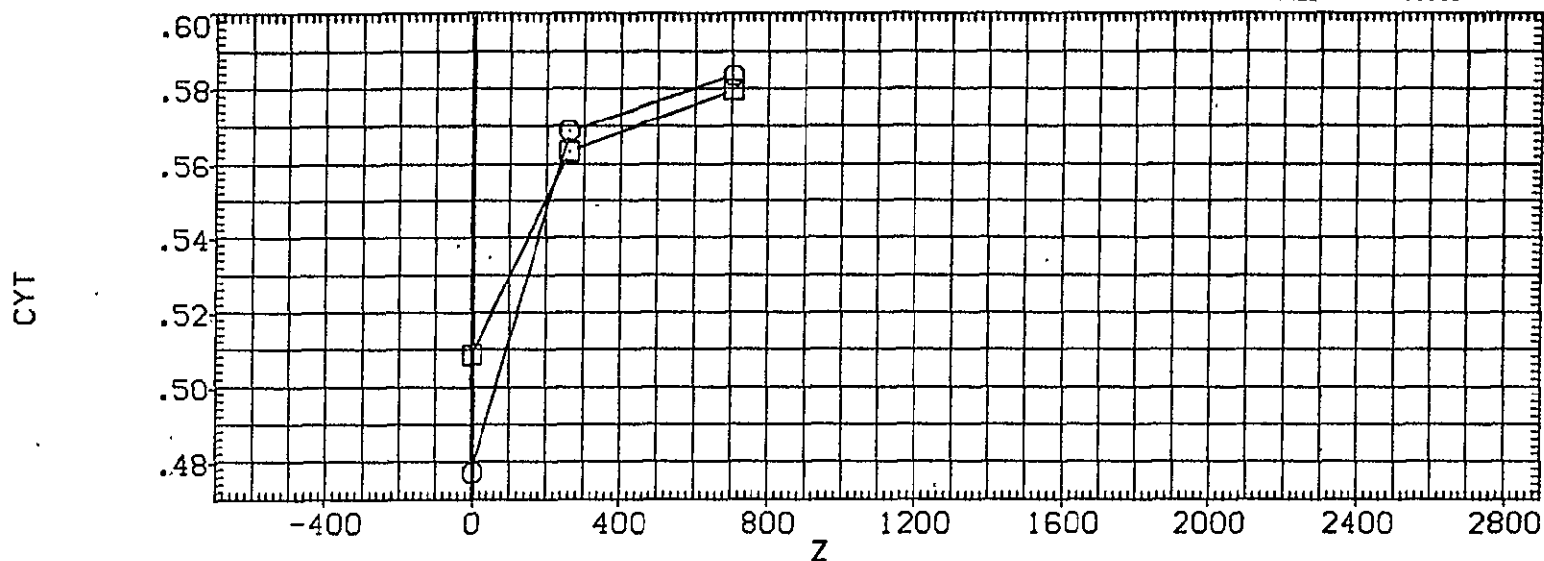
ALPHA BETA
 .000 10.000
 .000 10.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.76, PJ= 750)
 (A)MACH = 4.50



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	REFERENCE INFORMATION	
(STQ142)	AEDC VA422 1A61 01ETIS1 SRB DATA (0/ET SEPRNG)	-10.000	.000	SREF	2690.0000 SQ.FT.
(STL138)	AEDC VA-422(1A-57). ORB/ET W/BOTH SRB	-10.000	.000	LREF	1290.3000 IN.
				BREF	1290.3000 IN.
				XMRP	1167.0000 IN.XS
				YMRP	.0000 IN.YS
				ZMRP	400.0000 IN.ZS
				SCALE	.0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.76, PJ=1500)

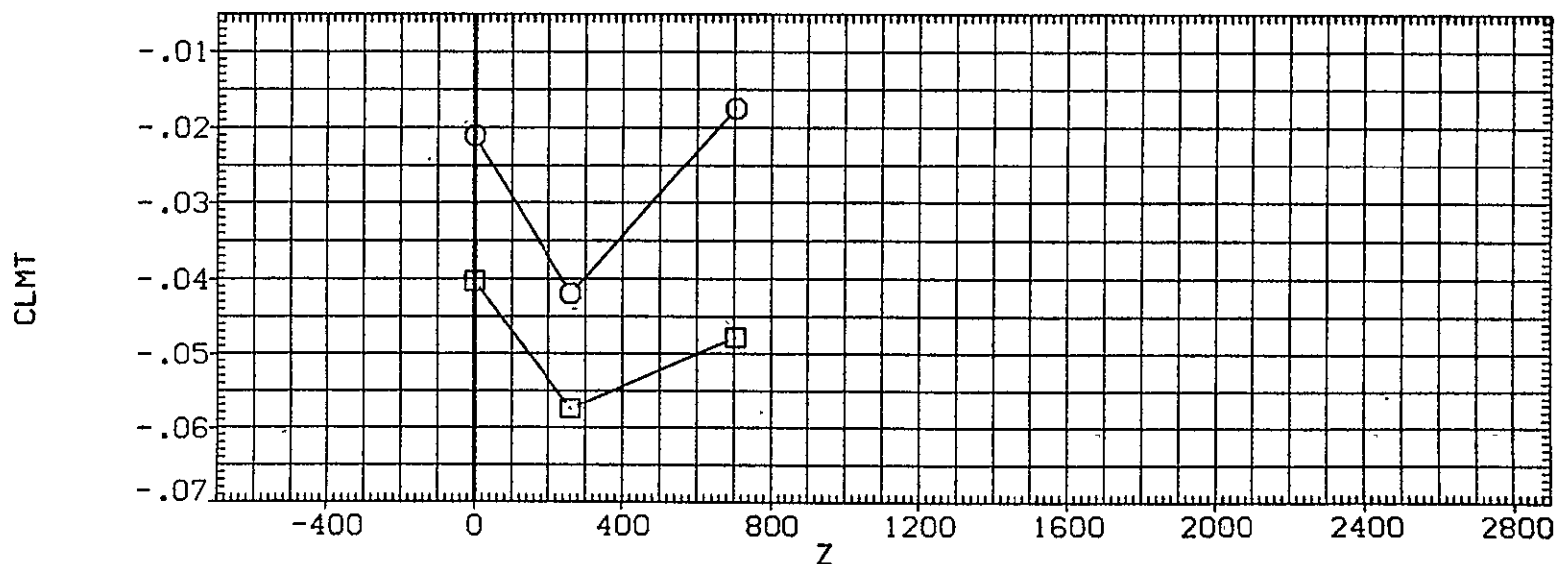
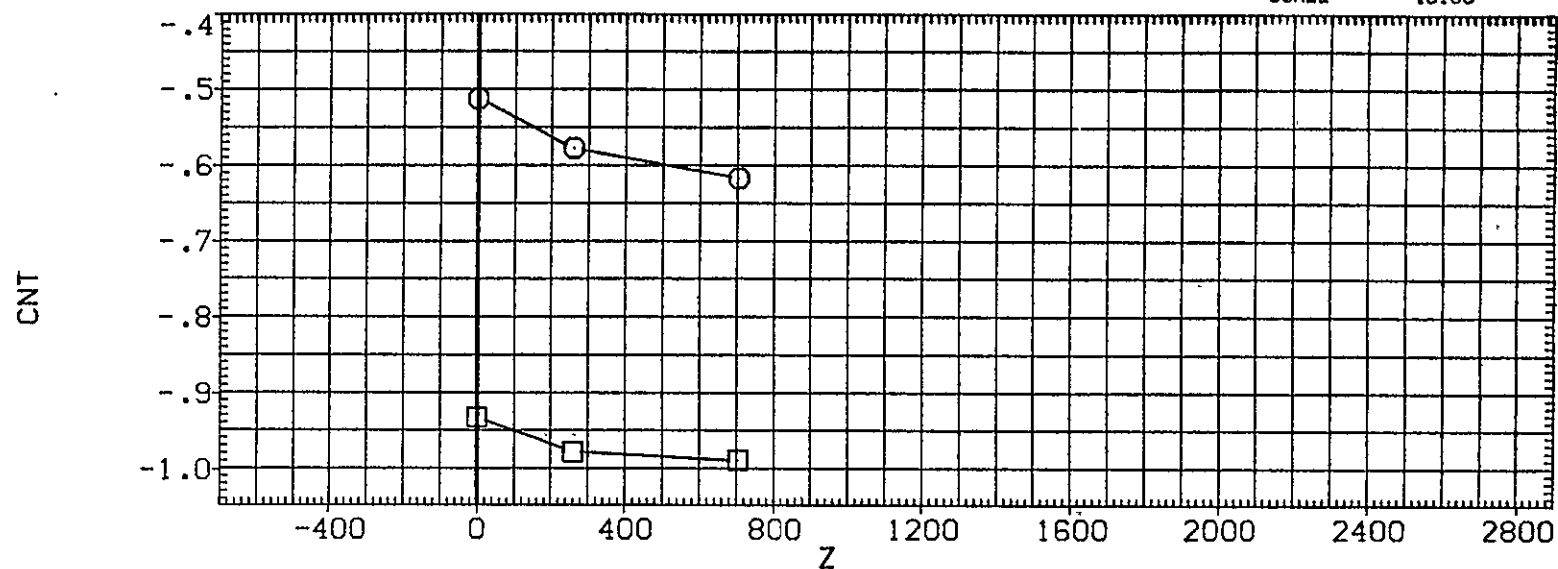
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ142)  AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)
 (STL138)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 -10.000 .000
 -10.000 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.76, PJ=1500)

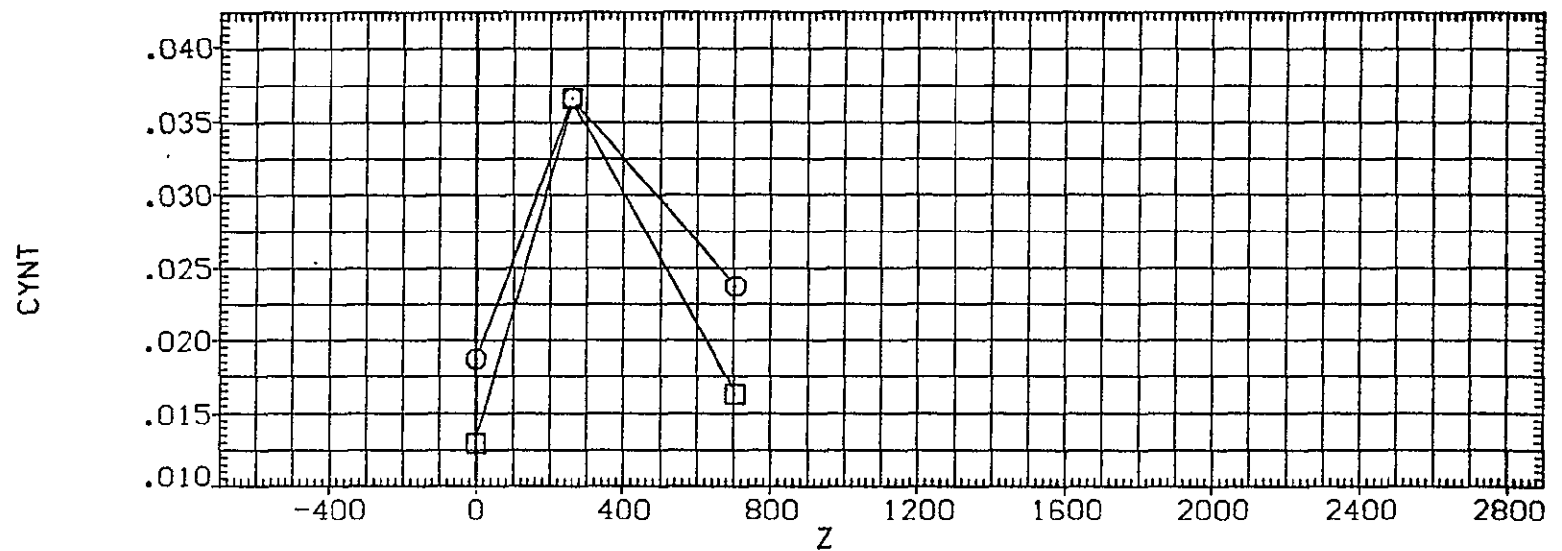
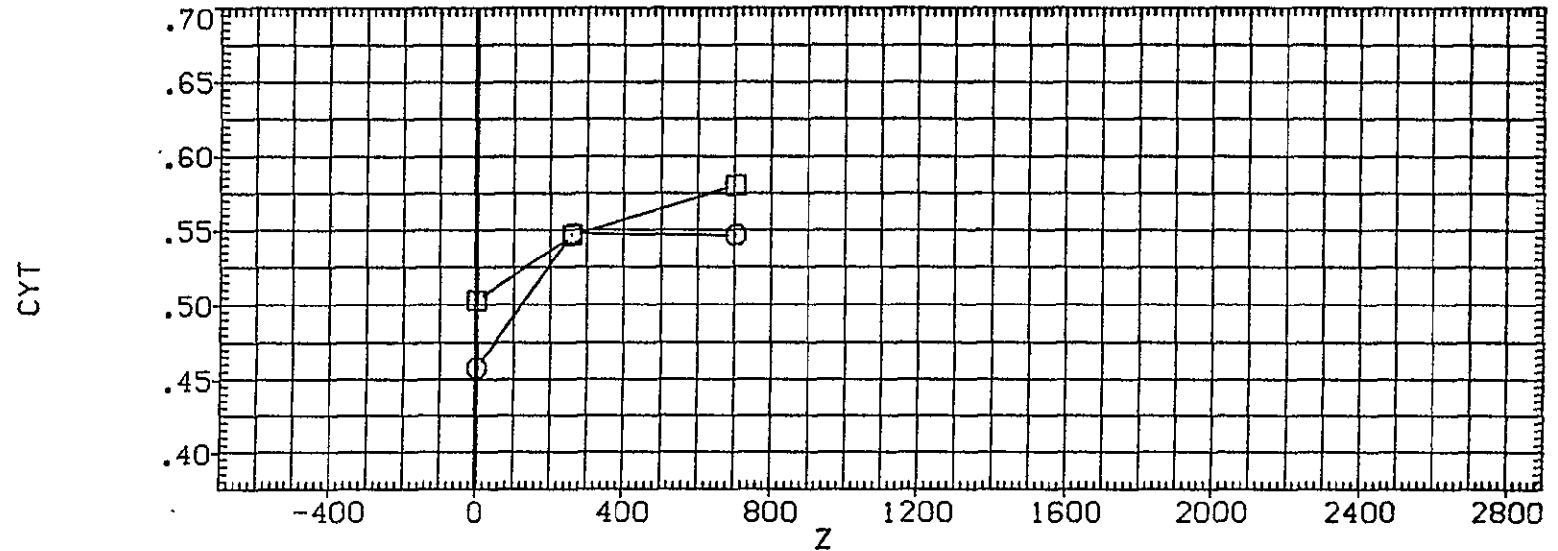
(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(STQ242) ○	AEDC VA422 1A61 01ET191 SRB DATA (O/ET SEPRING)
(STL238) □	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB



ALPHA	BETA
.000	.000
.000	.000

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	1290.3000	IN.
BREF	1290.3000	IN.
XMRP	1167.0000	IN.XS
YMRP	.0000	IN.YS
ZMRP	400.0000	IN.ZS
SCALE	.0100	



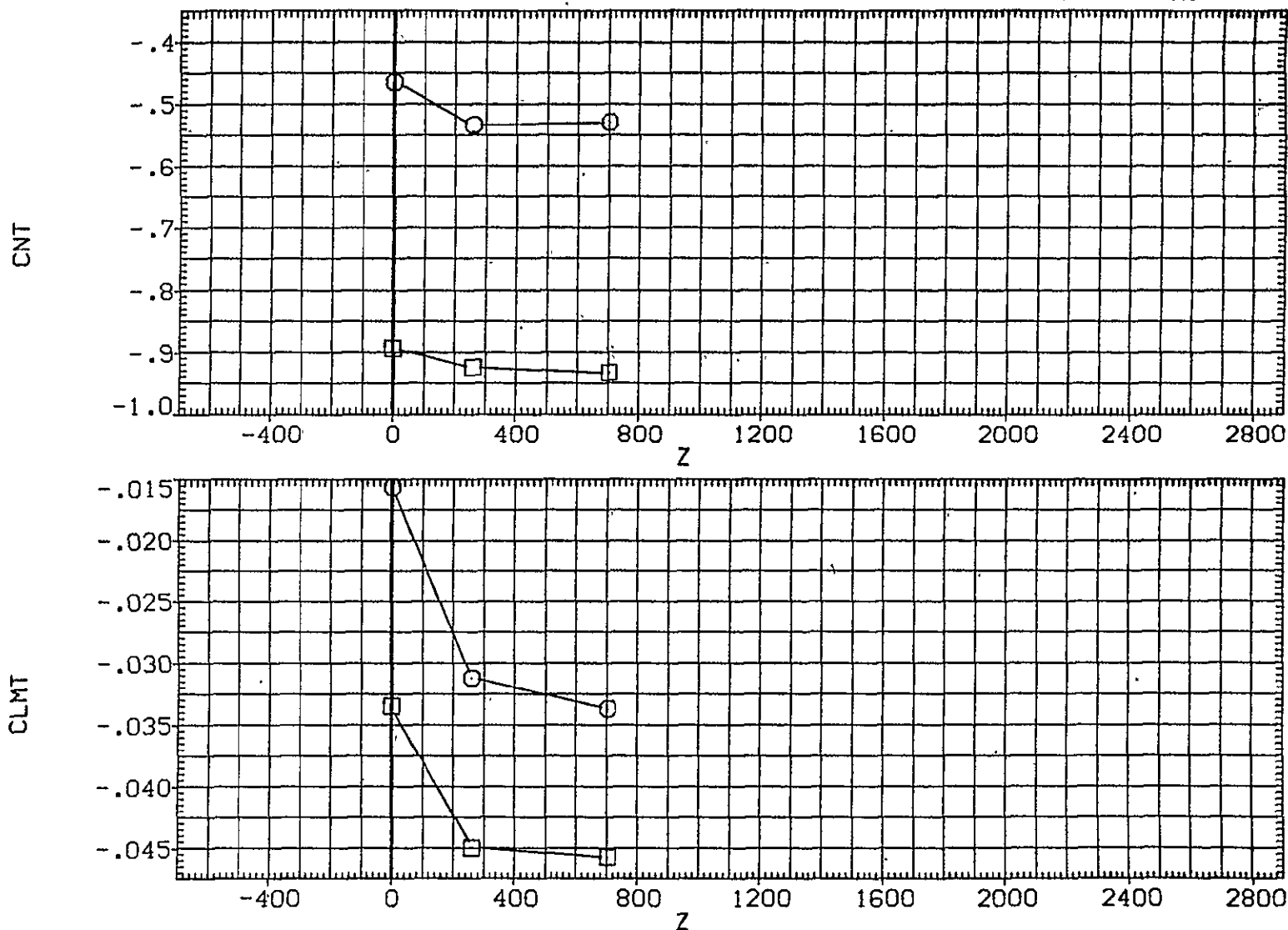
EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.76, PJ=1500)

(A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0242)  AEDC VA422 1A61 01ET191 SRB DATA (0/ET SEPRING)
 (STL238)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 .000
 .000 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.76, PJ=1500)

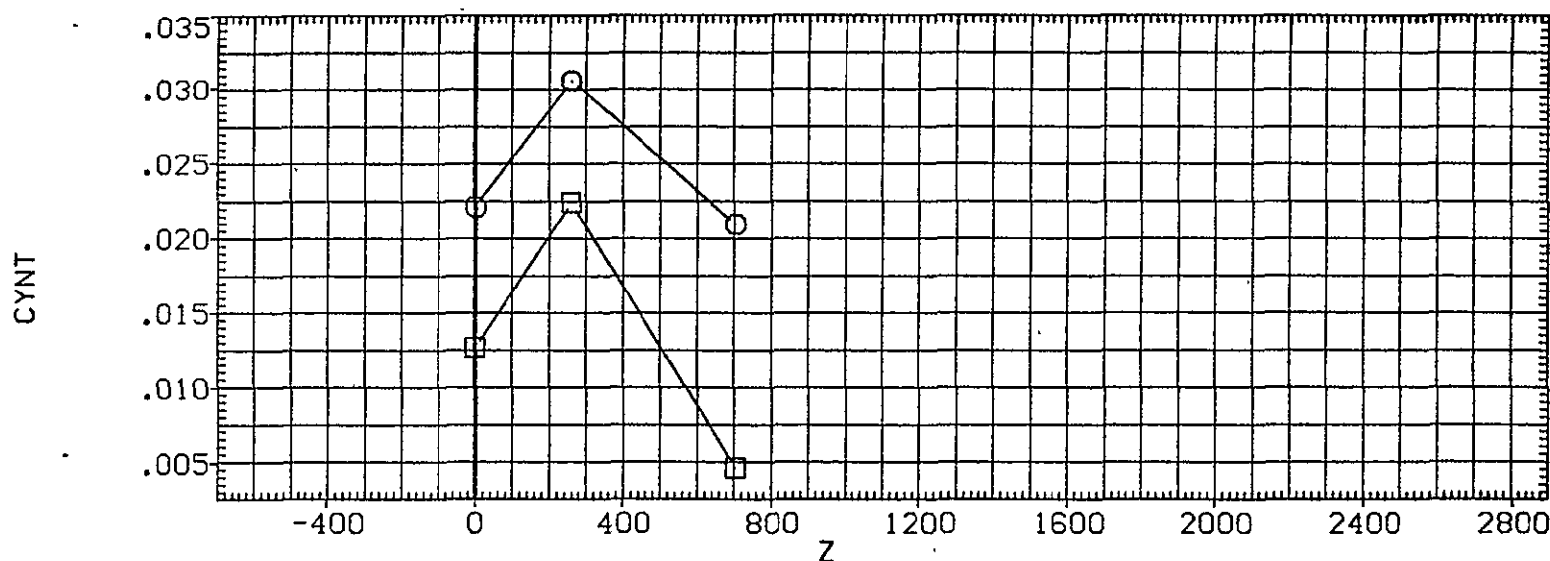
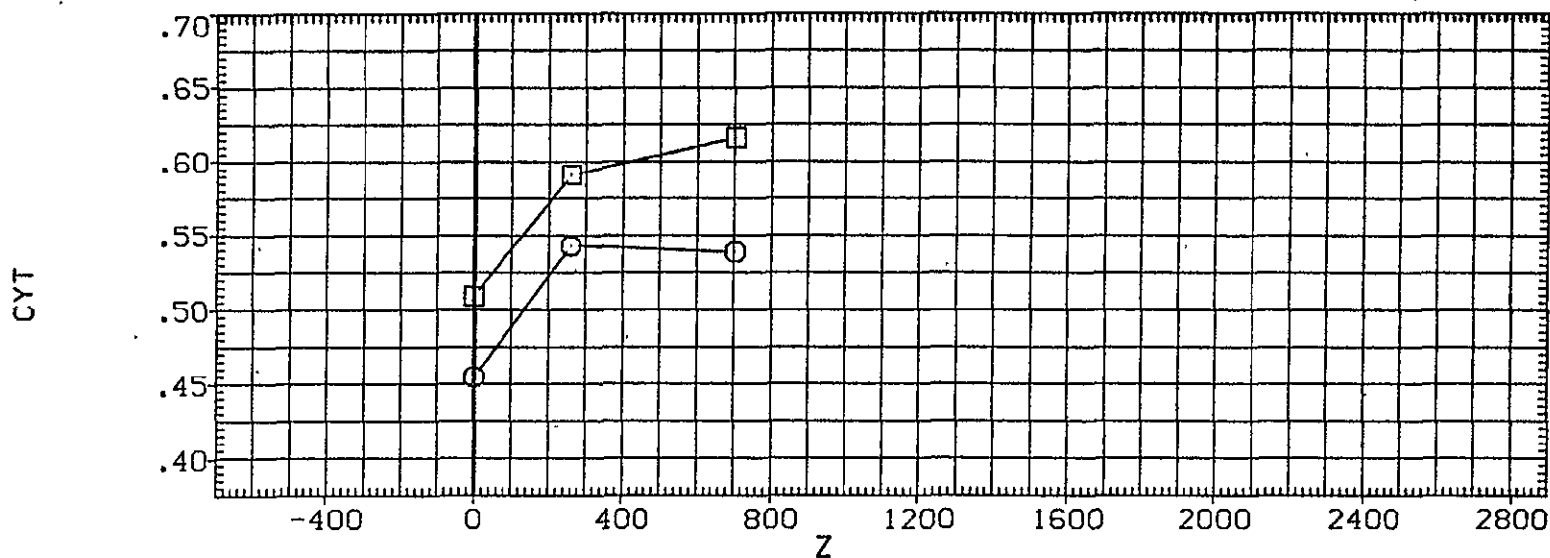
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0342) ○ AEDC VA422 (A61 01ET1S1 SRB DATA (O/ET SEPRNG)
 (STL338) □ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 10.000 .000
 10.000 .000

REFERENCE INFORMATION
 SREF 2690.0000 SO.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.76, PJ=1500)

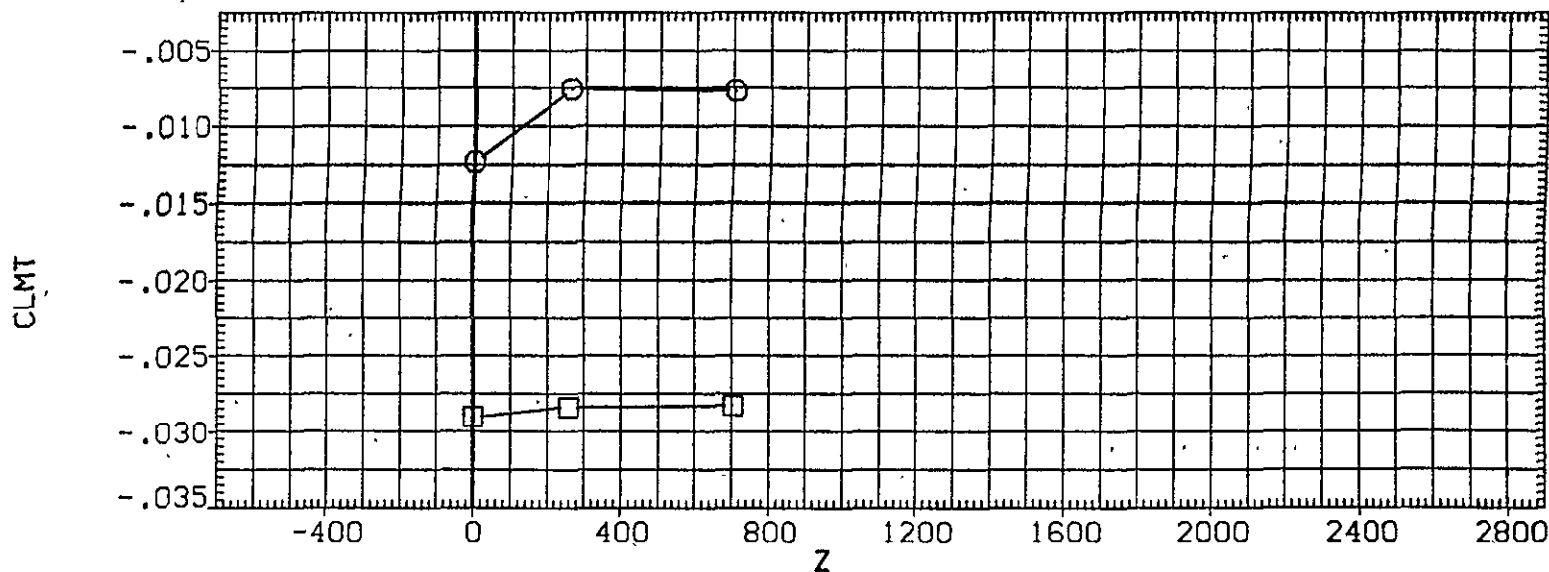
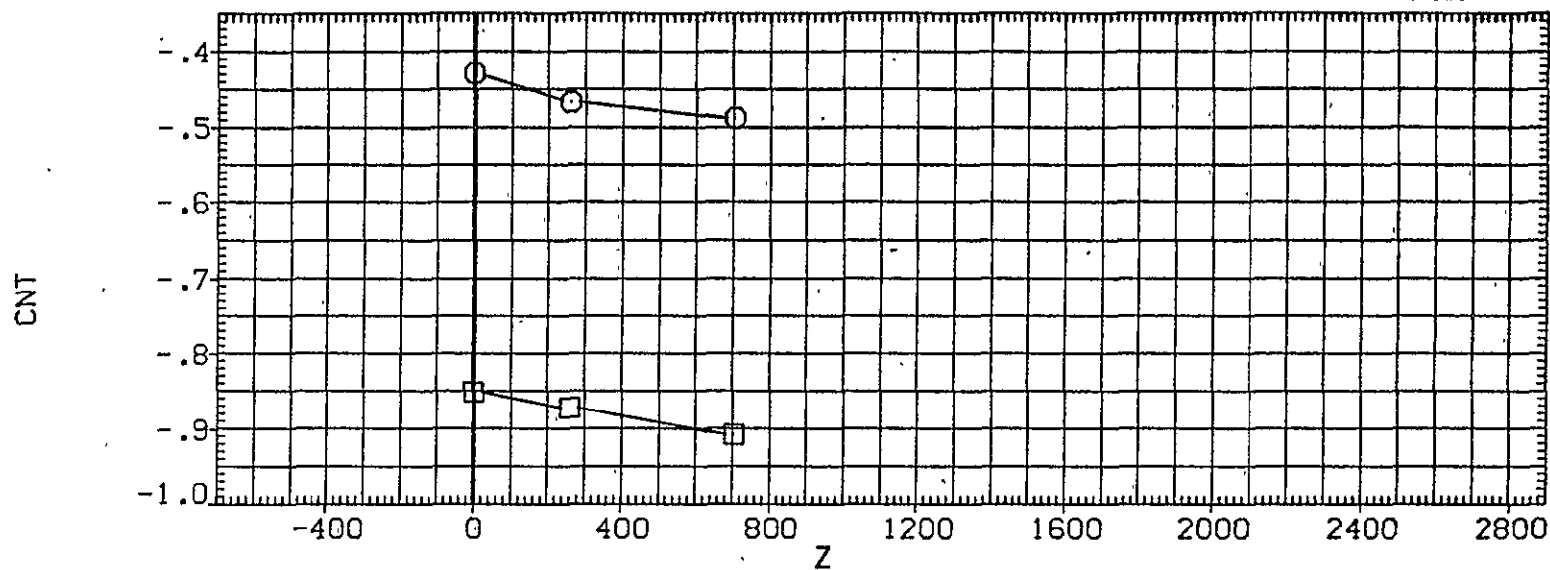
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
(ST0342) ○ AEDC VA422 IAGI 01ET1S1 SRB DATA (0/ET SEPRING)
(STL338) □ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
10.000 .000
10.000 .000



REFERENCE INFORMATION
SREF 2690.0000 SQ.FT.
LREF 1290.3000 IN.
BREF 1290.3000 IN.
XMRP 1167.0000 IN.XS
YMRP .0000 IN.YS
ZMRP 400.0000 IN.ZS
SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.76, PJ=1500)

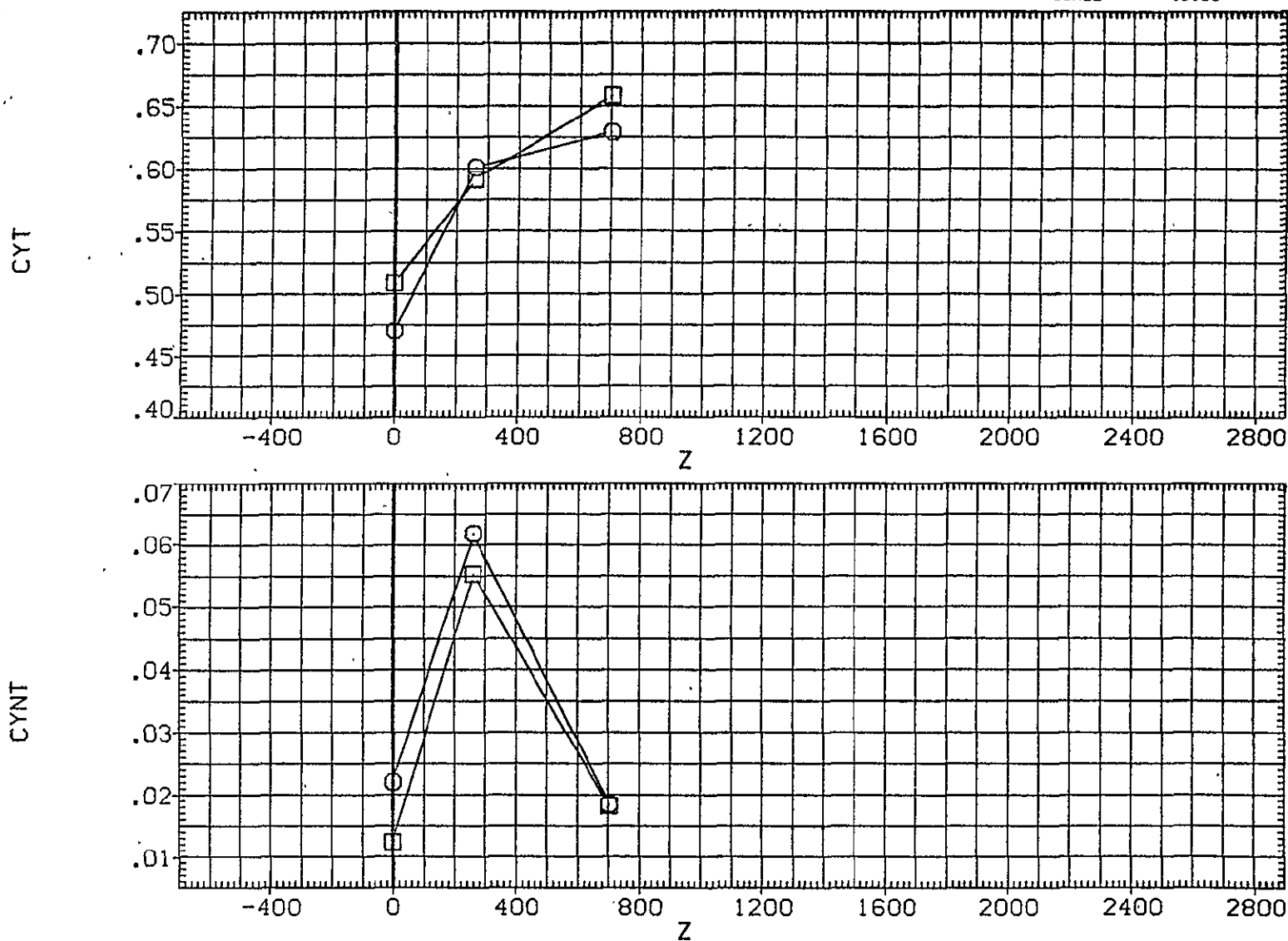
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ145)  AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)
 (STL139)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 -10.000
 .000 -10.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.76, PJ=1500)

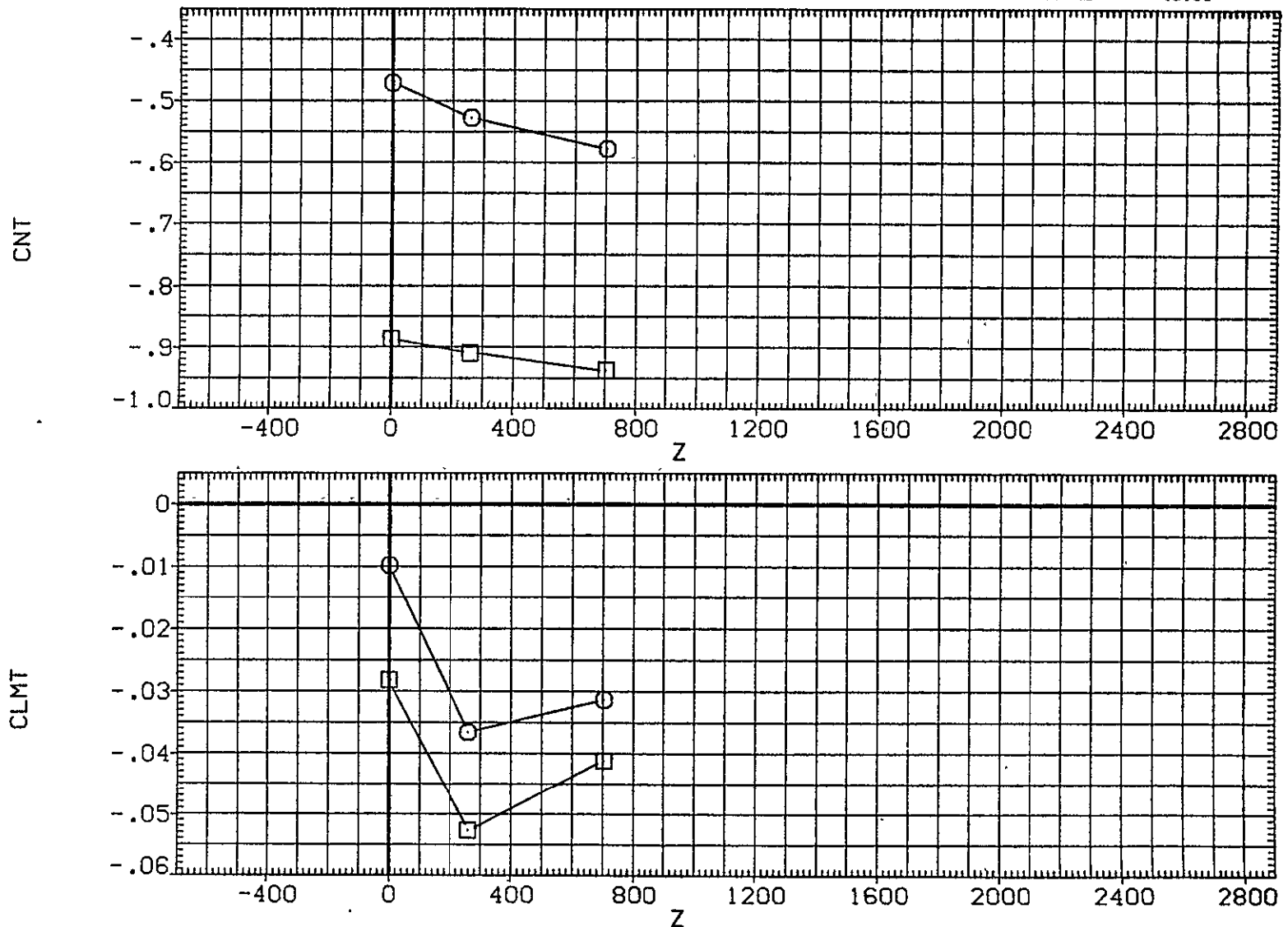
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ145) ○ AEDC VA422 IA61 01ET1S1 SRB DATA (O/ET SEPRTING)
 (STL139) □ AEDC VA-422(IA-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 -10.000
 .000 -10.000



REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 ØREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.76, PJ=1500)

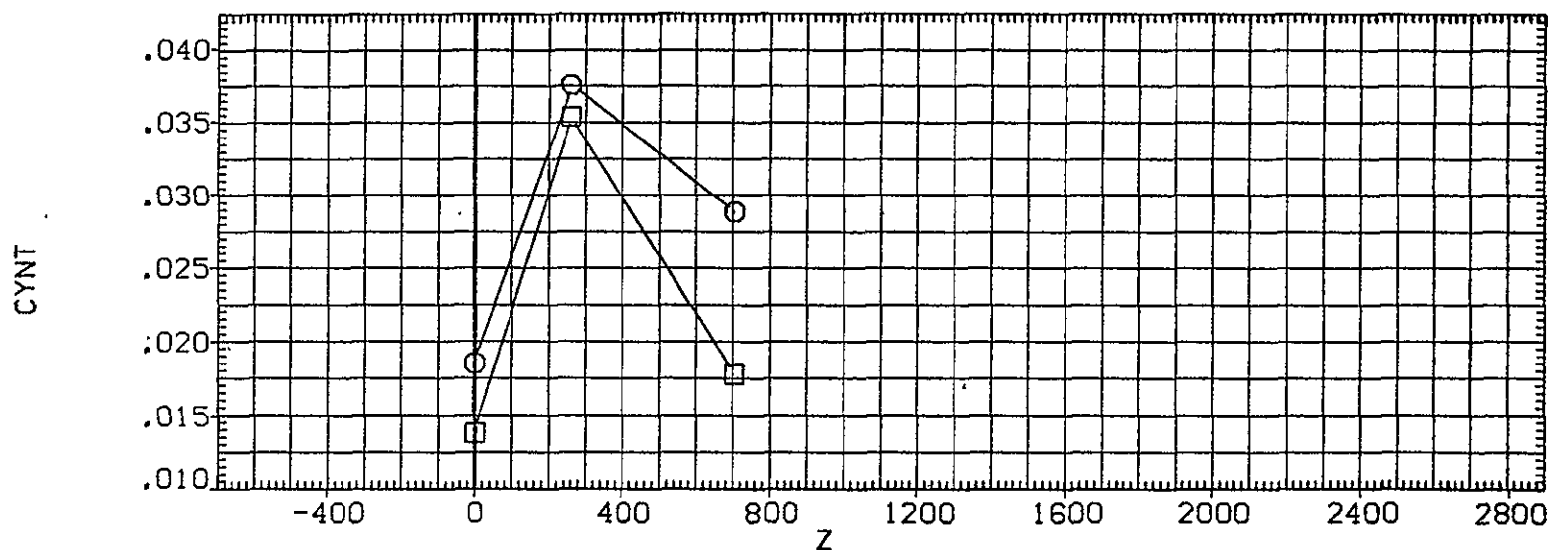
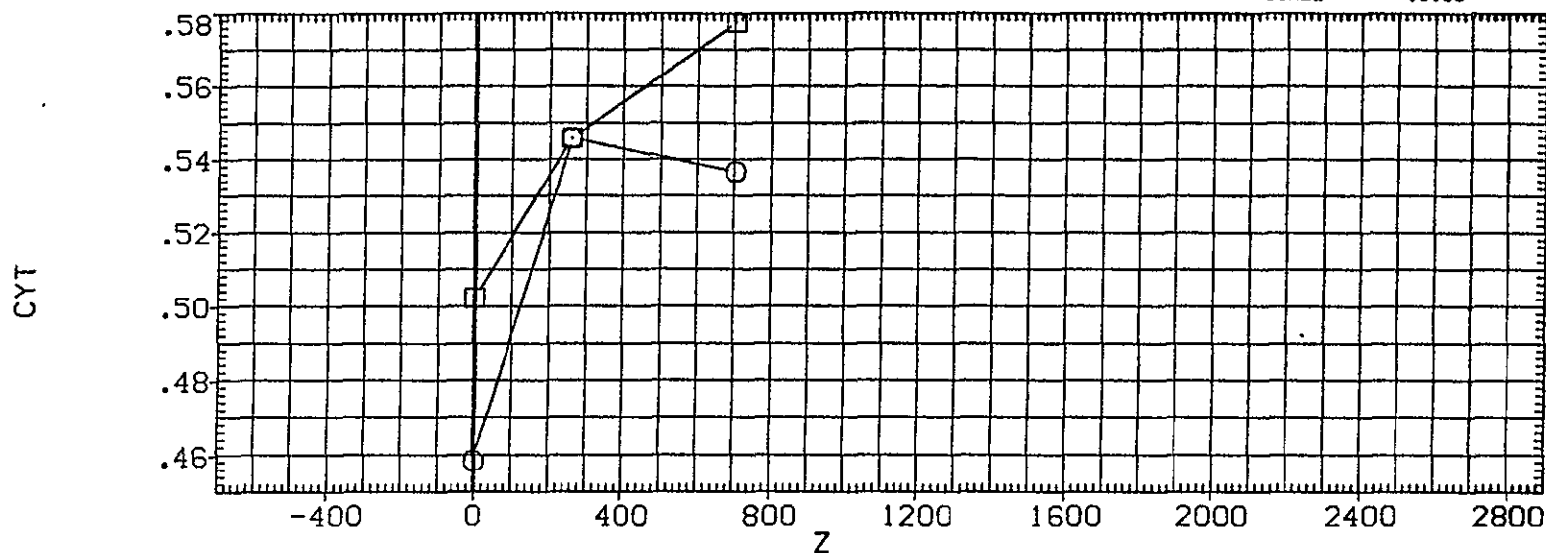
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ245)  AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)
 (STL239)  AEDC VA-422(1A-57). 0RB/ET W/BOTH SRB

ALPHA BETA
 .000 .000
 .000 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.76, PJ=1500)

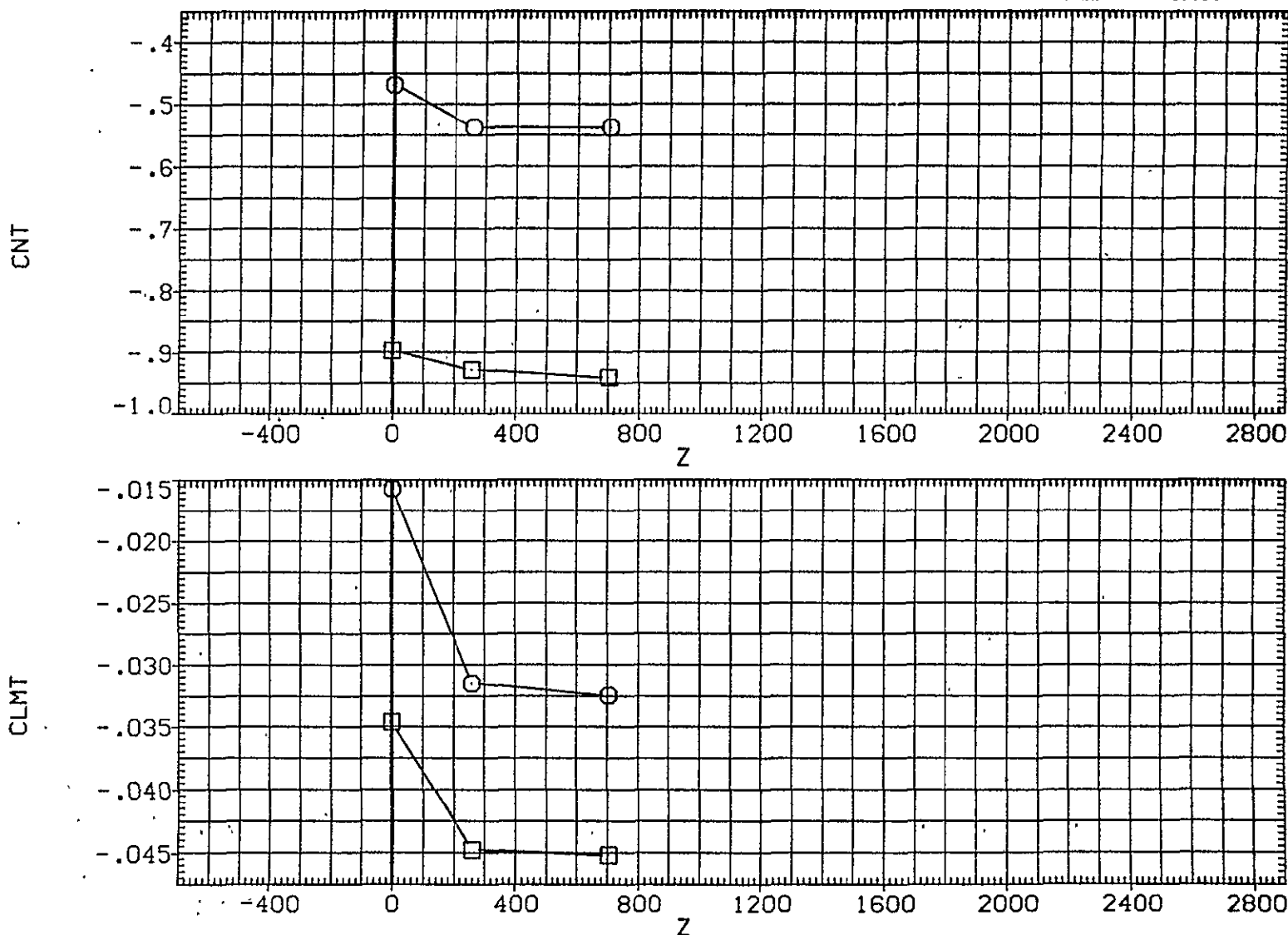
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0245) ○ AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTING)
 (STL239) □ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 .000
 .000 .000



REFERENCE INFORMATION
 SREF 2690.0000 50.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.76, PJ=1500)

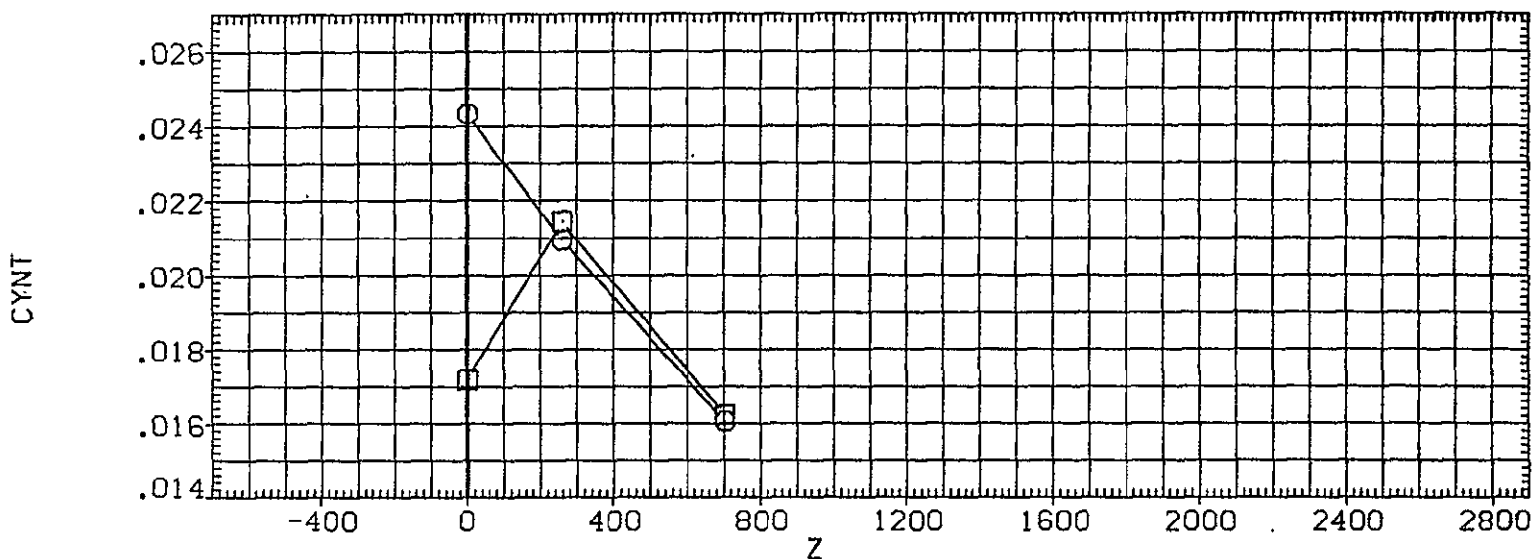
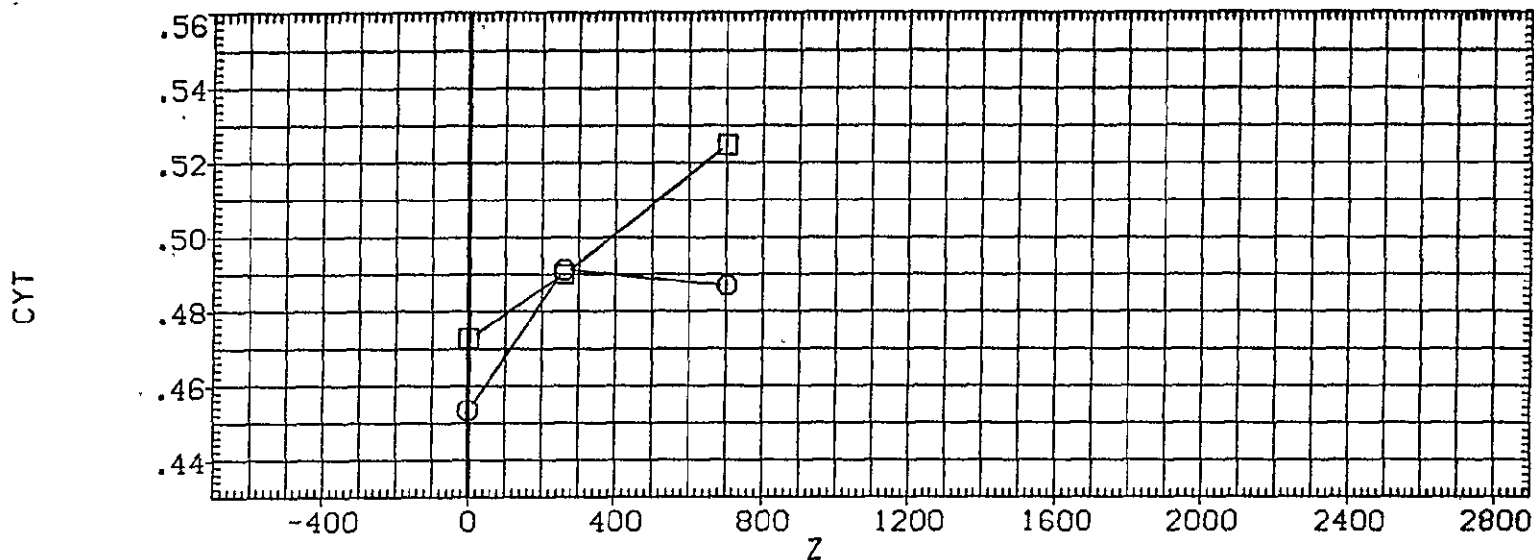
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ345)  AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRYNG)
 (STL339)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 10.000
 .000 10.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.76, PJ=1500)

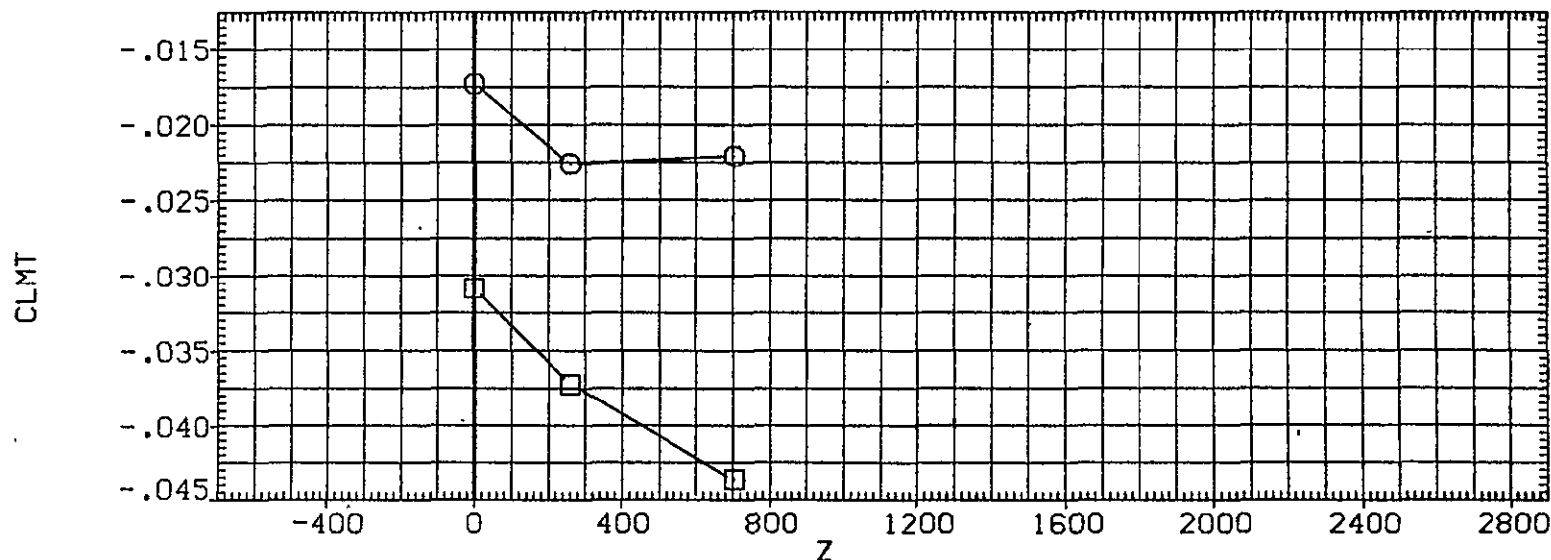
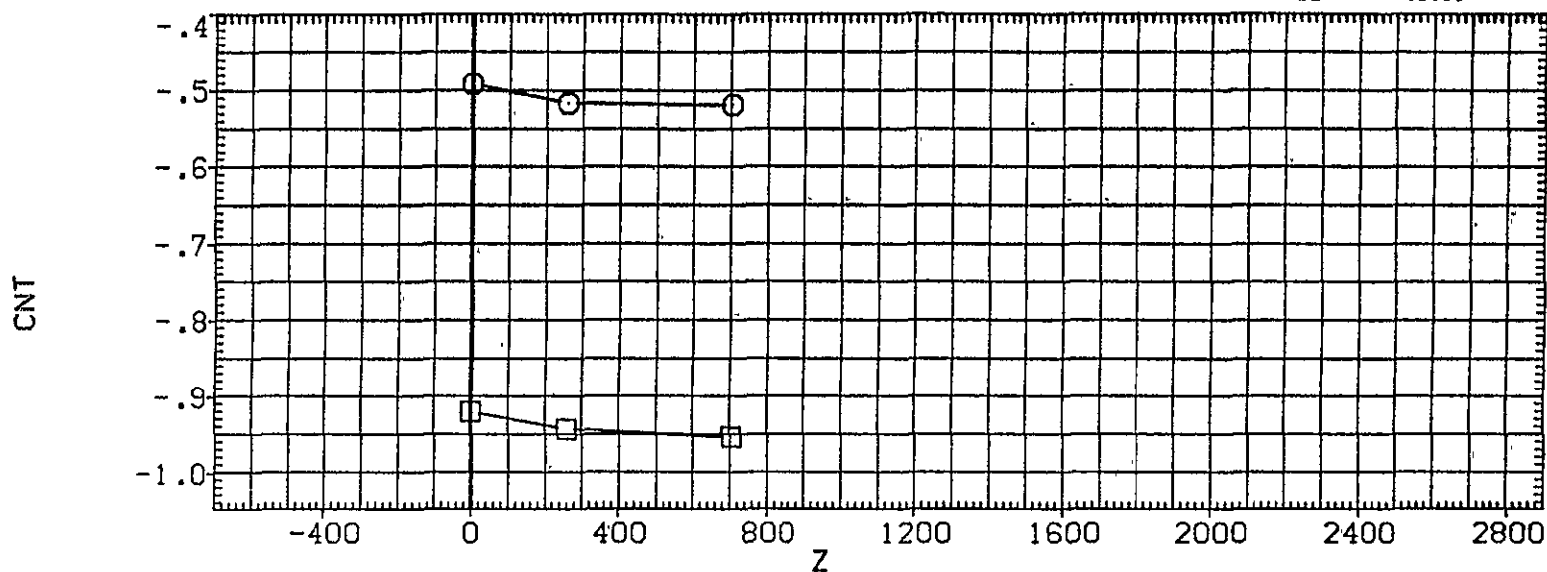
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0345) ○ AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)
 (STL339) □ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 10.000
 .000 10.000

REFERENCE INFORMATION
 SREF 2690.0000 50.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100

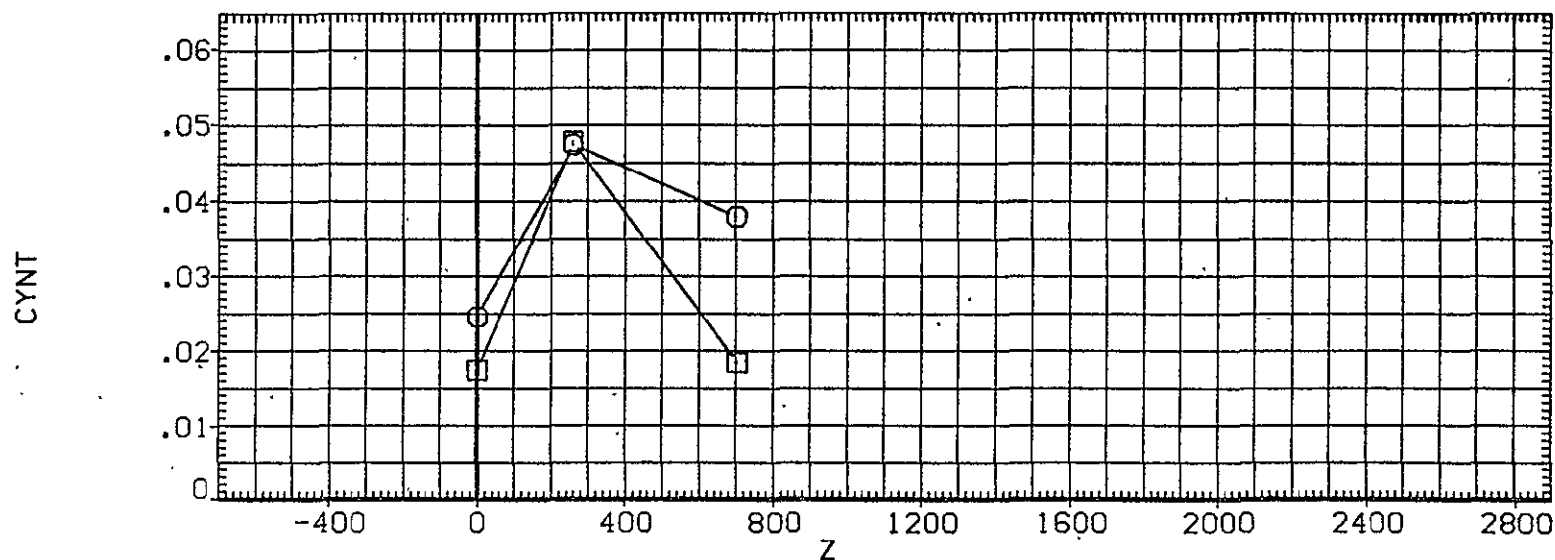
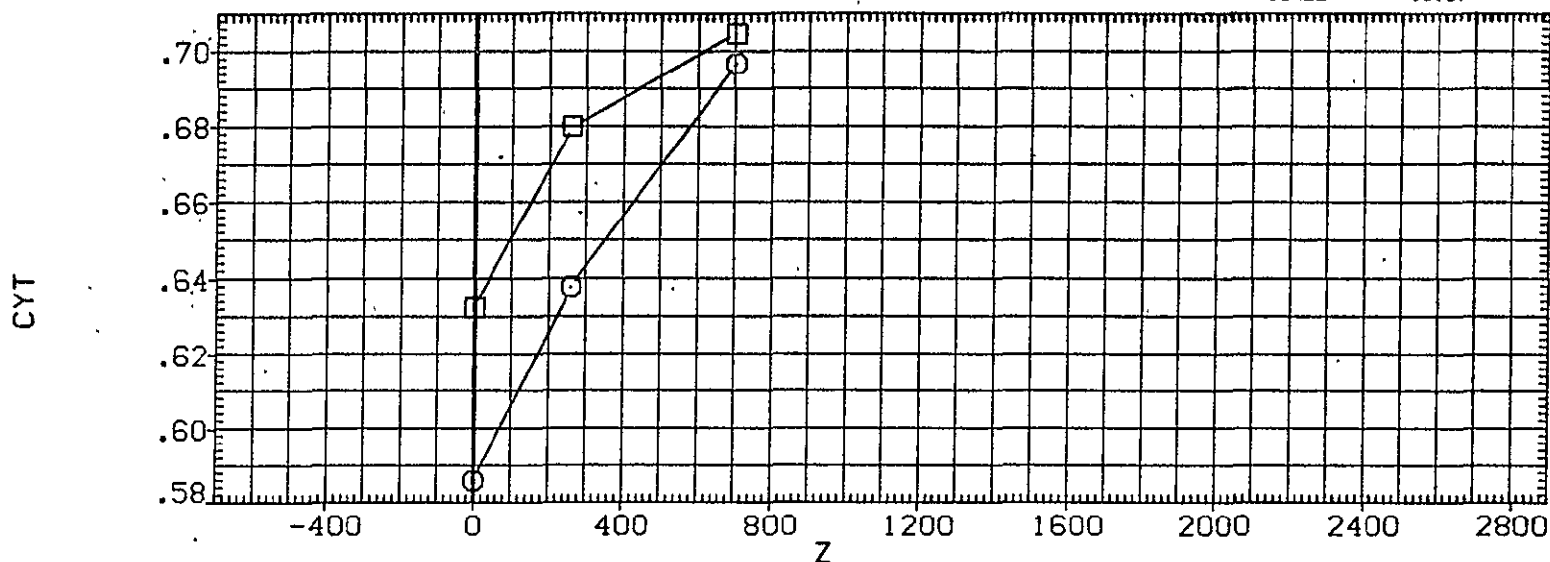


EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.76, PJ=1500)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	REFERENCE INFORMATION	
(ST0134)	□ AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)	-10.000	.000	SREF	2690.0000 SQ.FT.
(STL132)	○ AEDC VA-422(1A-57), ORB/ET W/80TH SRB	-10.000	.000	LREF	1290.3000 IN.
				BREF	1290.3000 IN.
				XMRP	1167.0000 IN.XS
				YMRP	.0000 IN.YS
				ZMRP	400.0000 IN.ZS
				SCALE	.0100

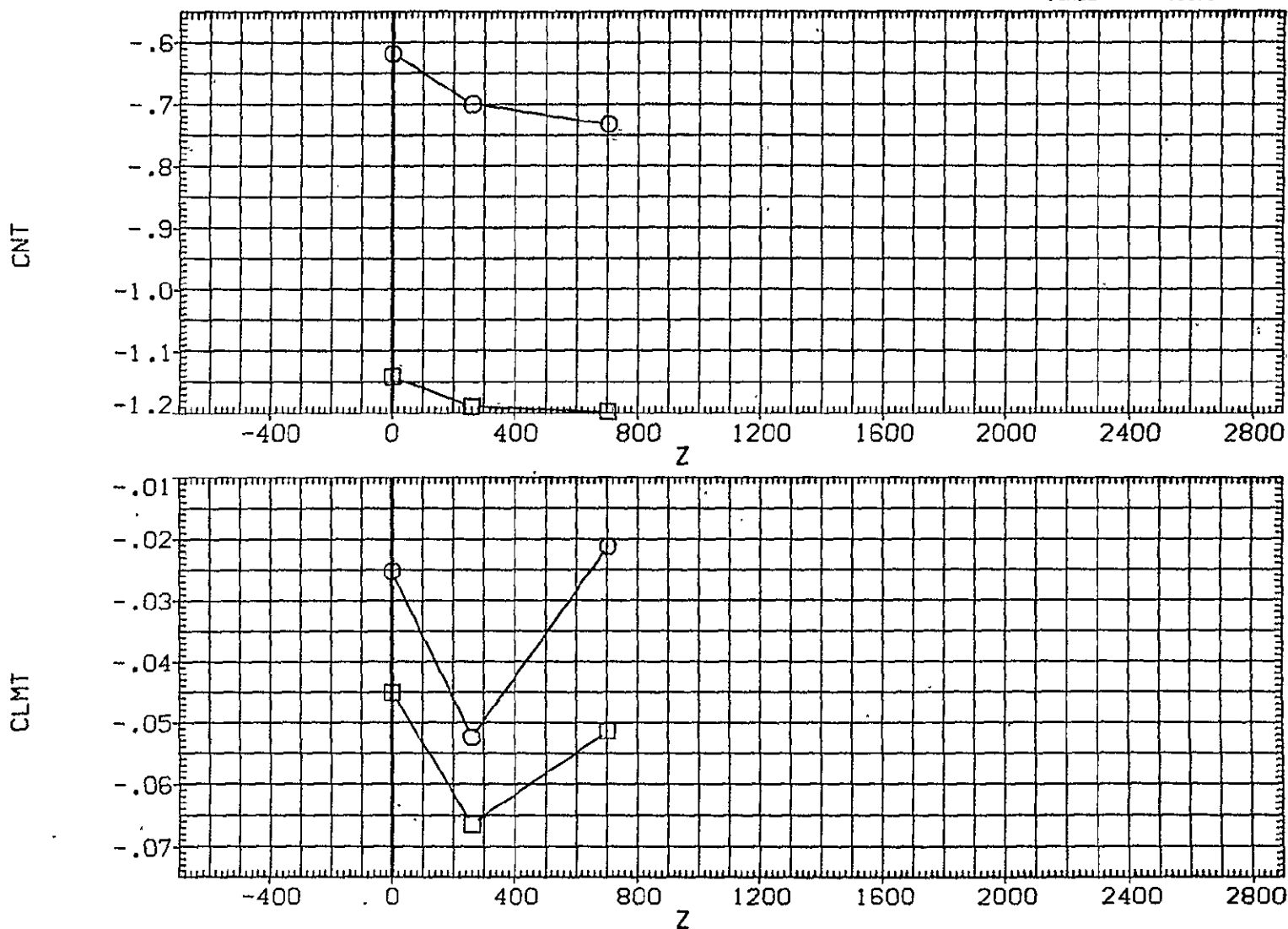


EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.4, PJ=1500)
 (A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ134) ○ AEDC VA422 (A61 01ET1S1) SRB DATA (O/ET SEPRTING)
 (STL132) □ AEDC VA-422(IA-57), ORB/ET W/BOTH SRB

ALPHA BETA
 -10.000 .000
 -10.000 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.4, PJ=1500)

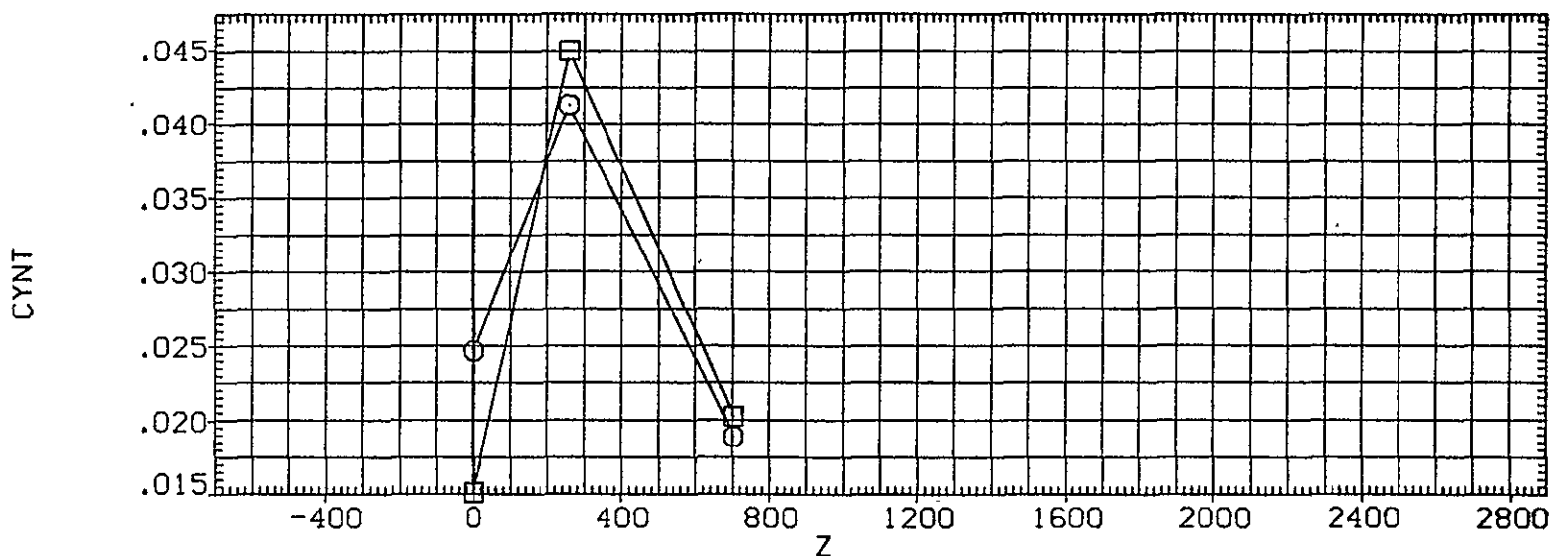
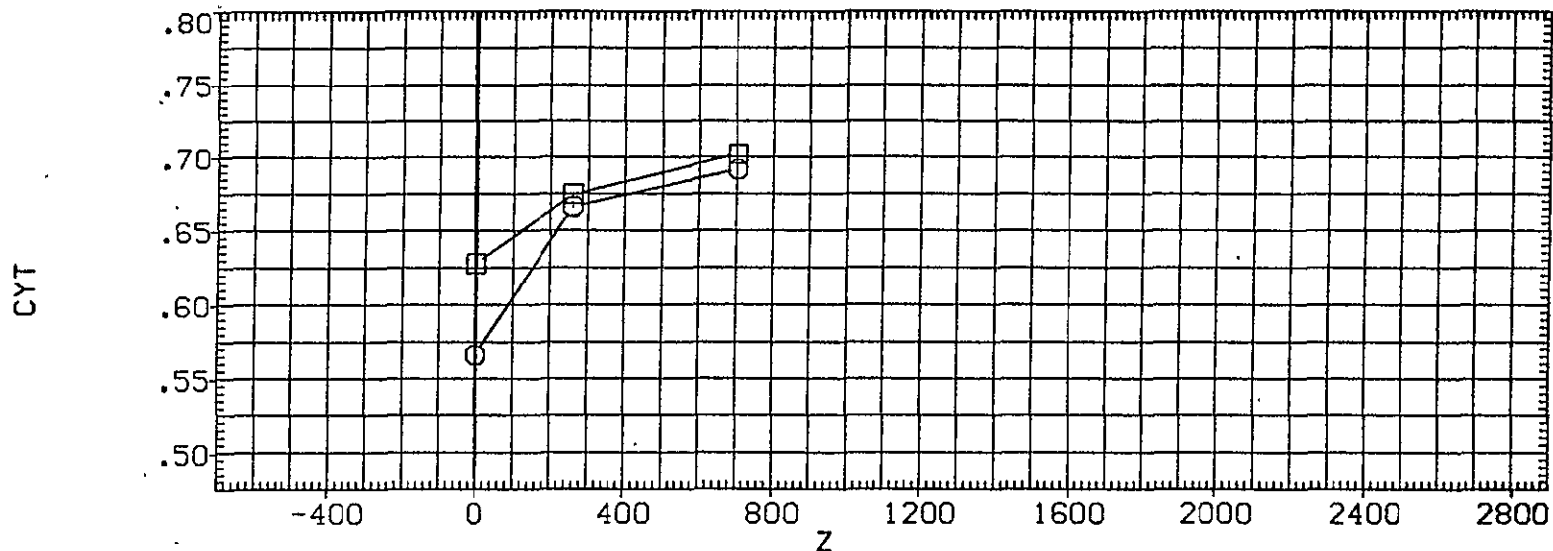
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0234) □ AEDC VA422 (A61 01ET1S1) SRB DATA (0/ET SEPRNG)
 (STL232) ○ AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB

ALPHA BETA
 .000 .000
 .000 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.4, PJ=1500)

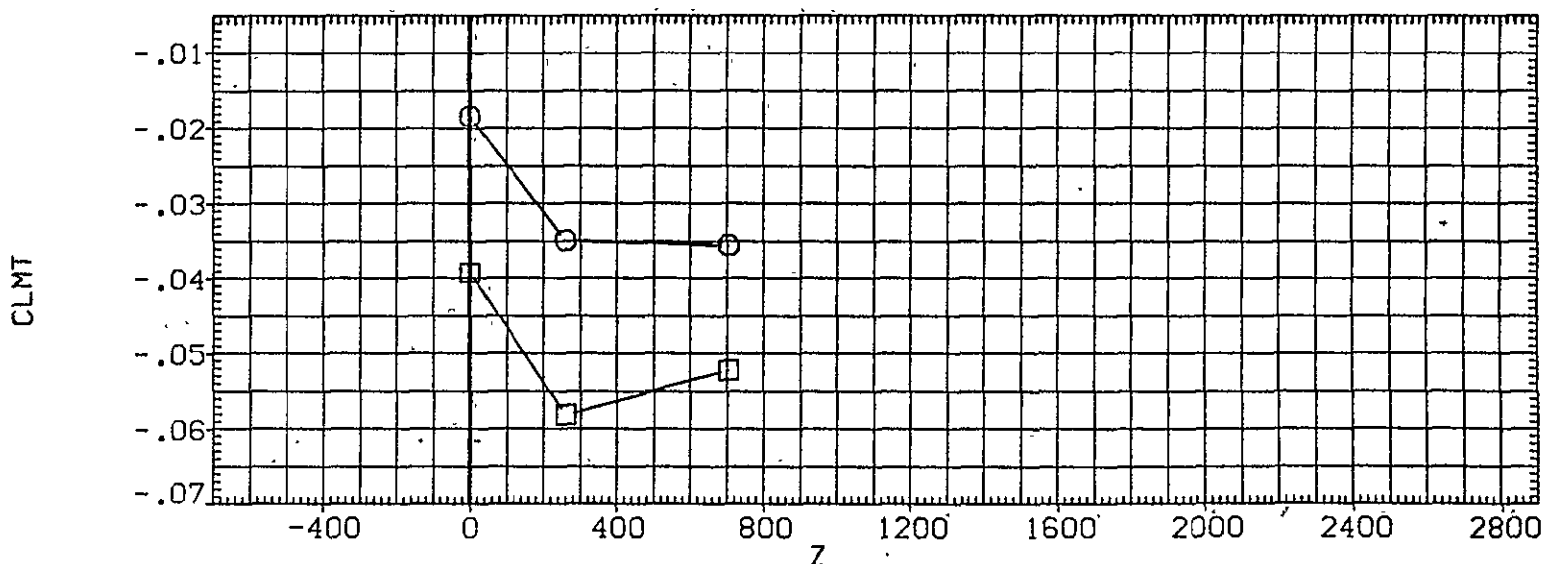
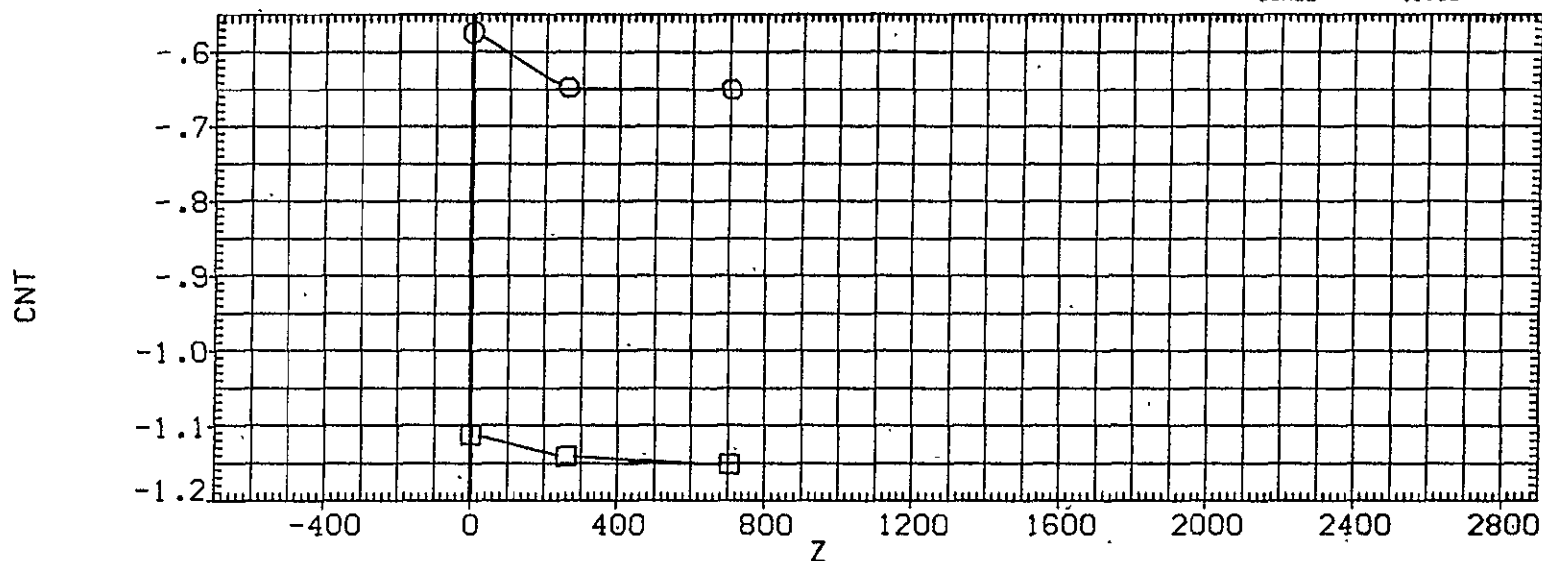
(A)MACH = 4.50

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DATA SET SYMBOL. CONFIGURATION DESCRIPTION
 (ST0234) ☐ AEDC VA422 (A61 01ET1S1 SRB DATA (O/ET SEPRNG)
 (STL232) ☐ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 .000
 .000 .000



REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.4, PJ=1500)

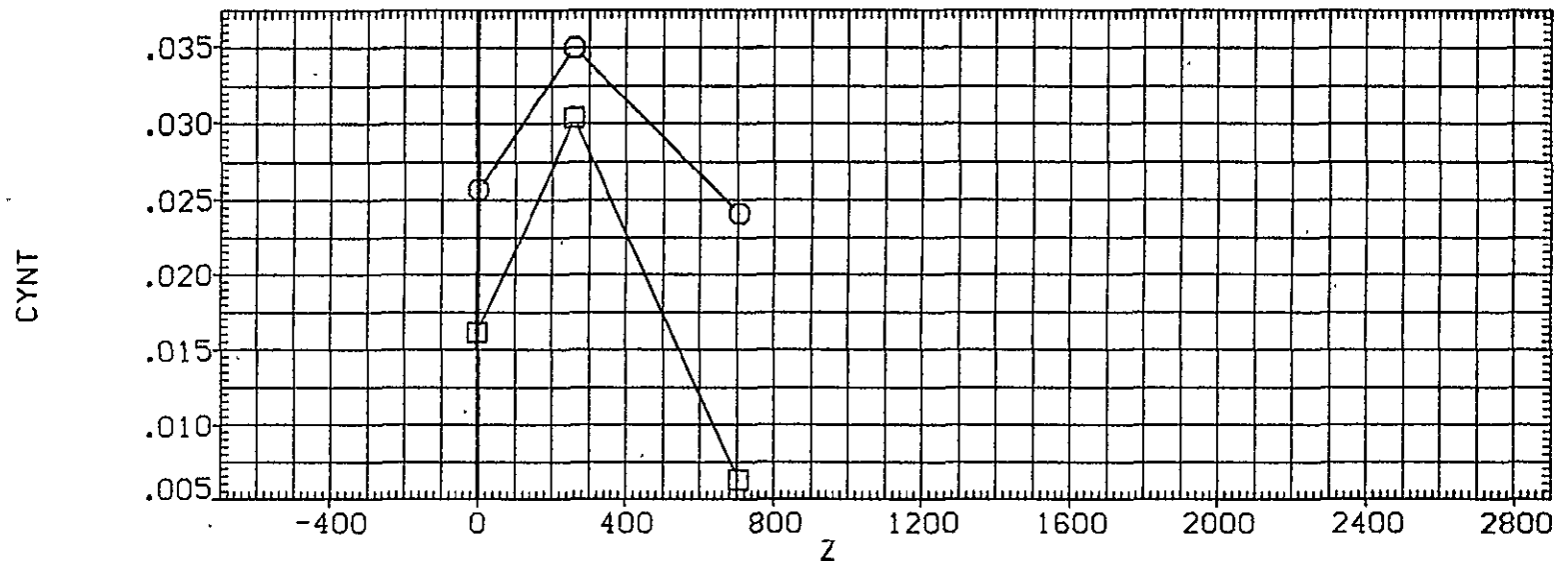
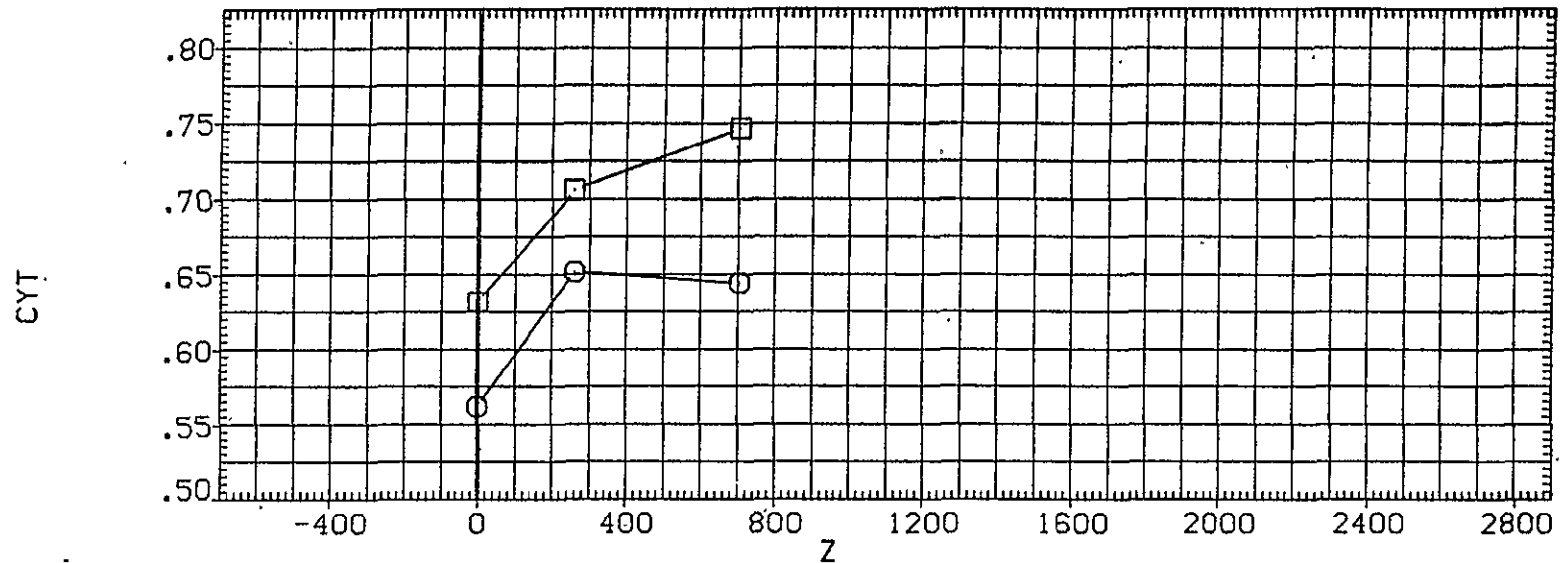
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ334)  AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)
 (STL332)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 10.000 .000
 10.000 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.4, PJ=1500)

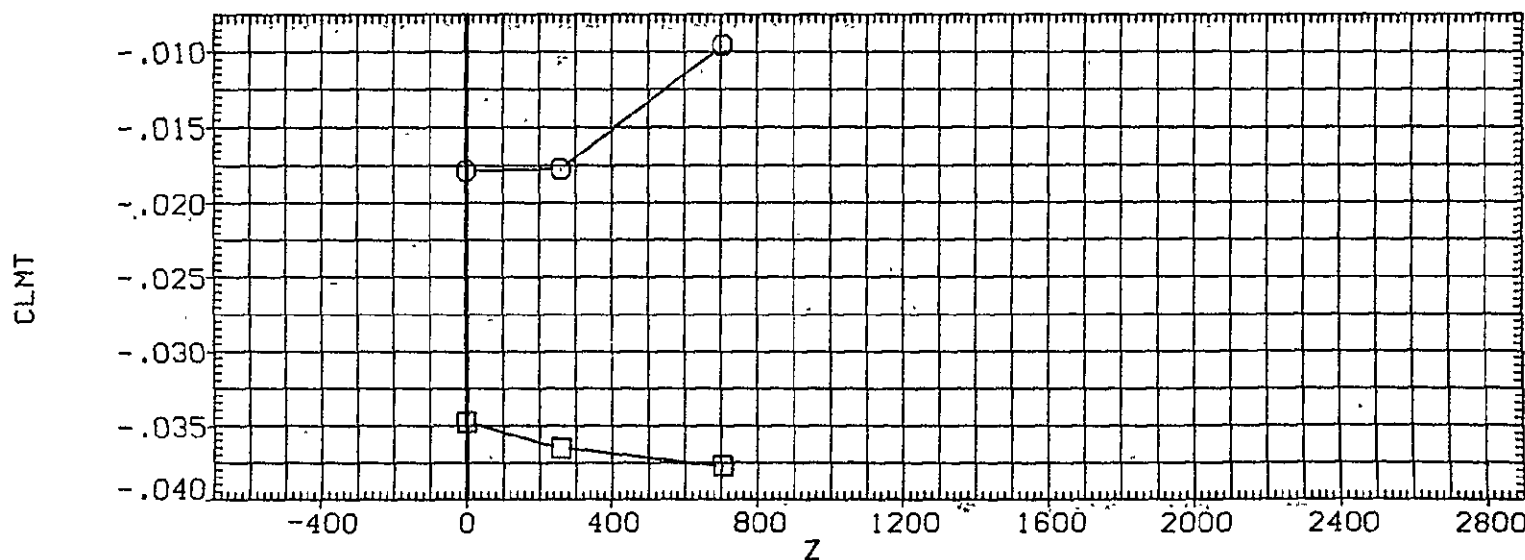
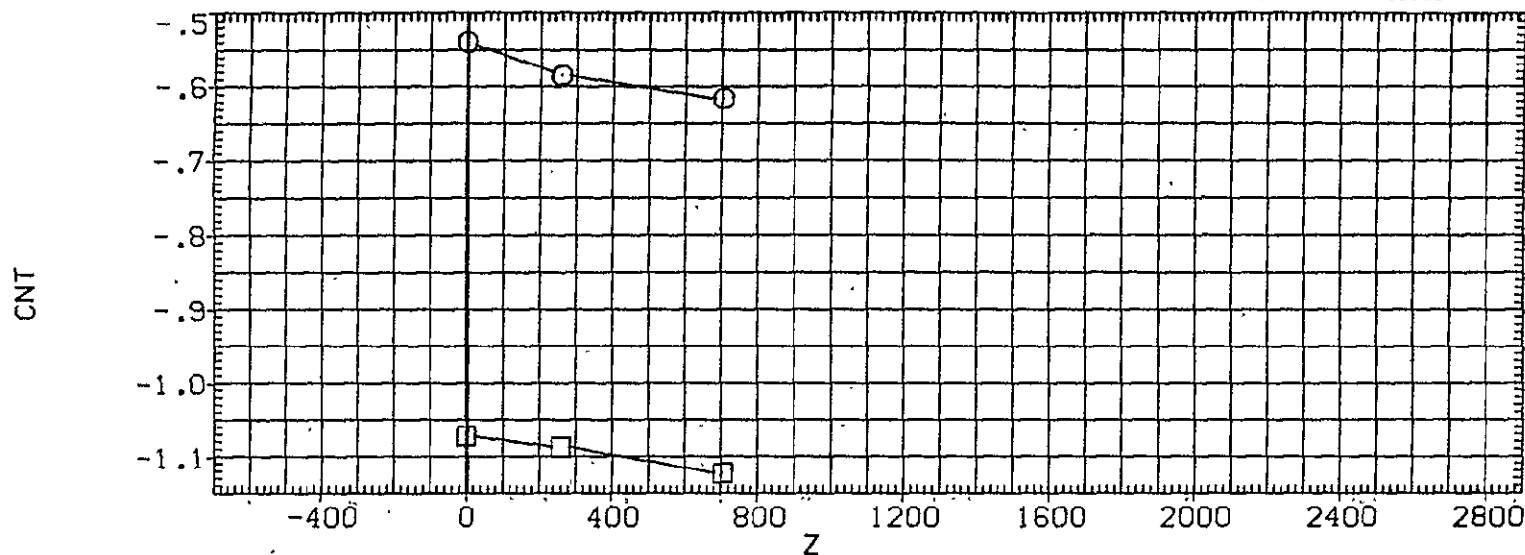
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ334) ☐ AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRTING)
 (STL332) ☐ AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB

ALPHA BETA
 10.000 .000
 10.000 .000

REFERENCE INFORMATION
 SREF 2690.0000 50.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.4, PJ=1500)

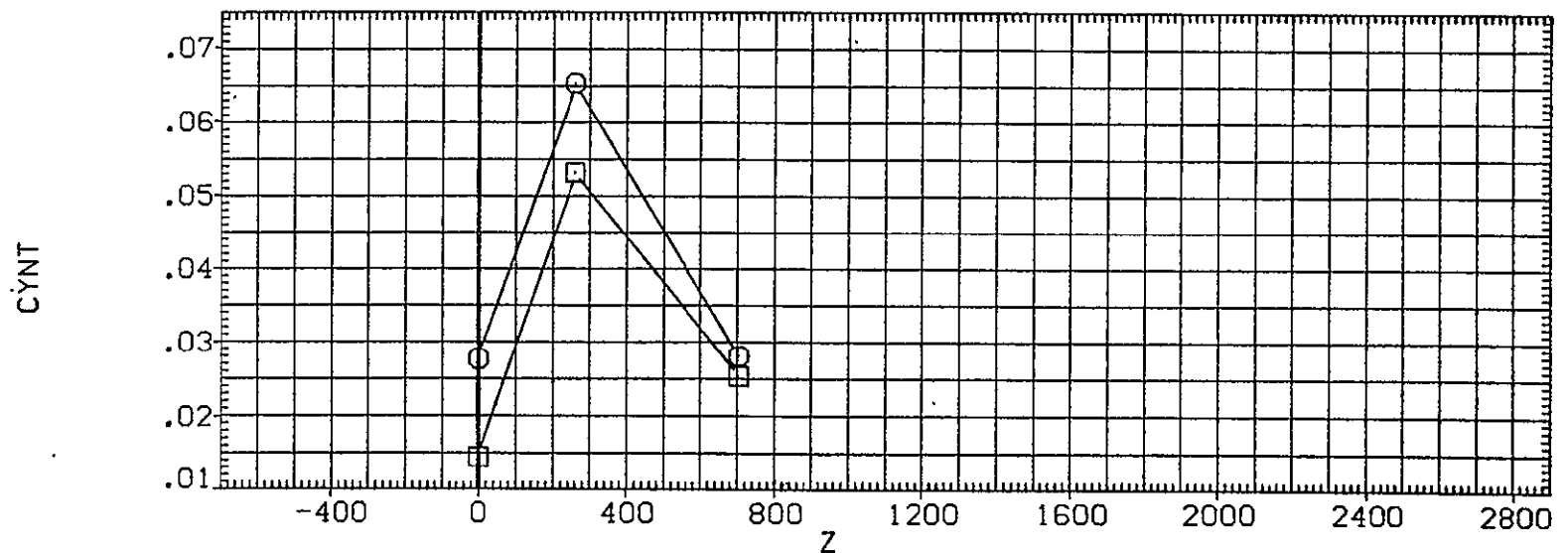
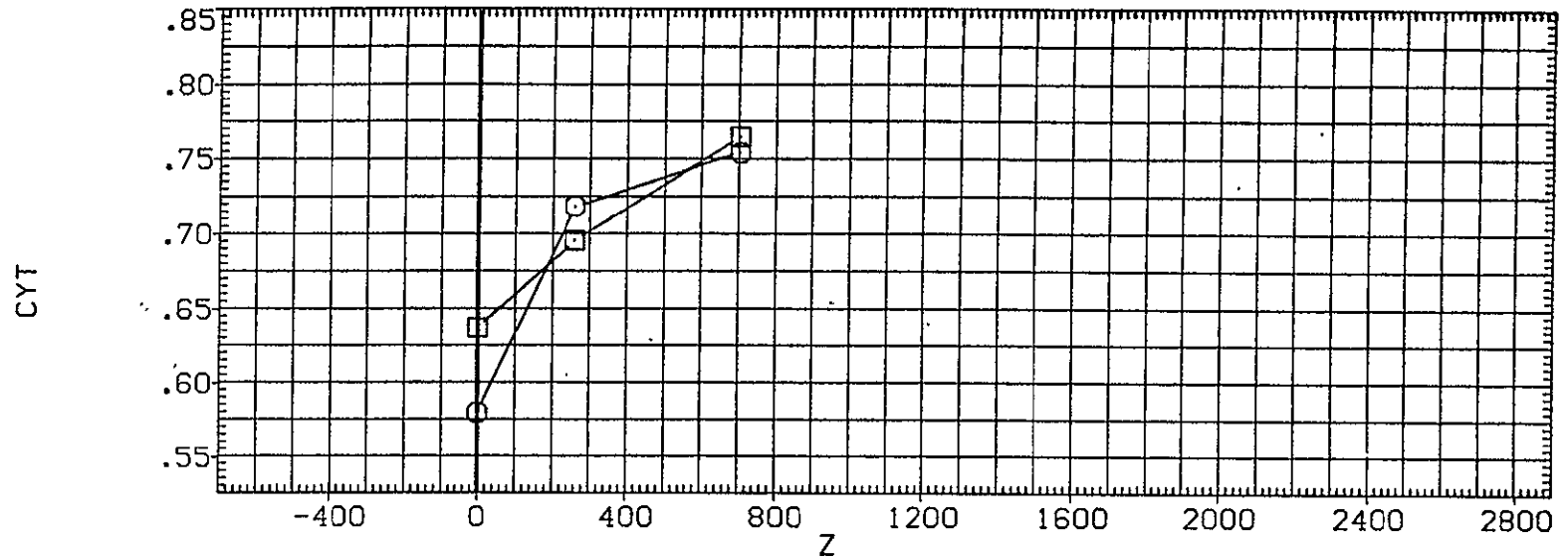
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ136) ☐ AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)
 (STL133) ☐ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 -10.000
 .000 -10.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



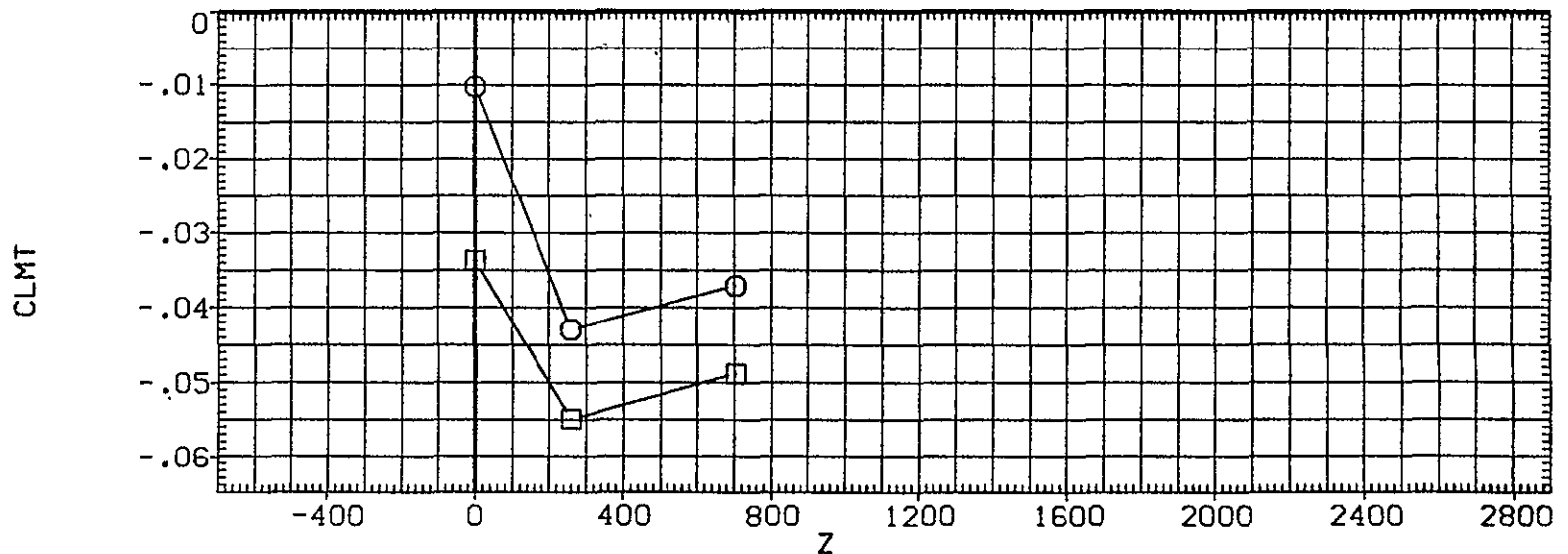
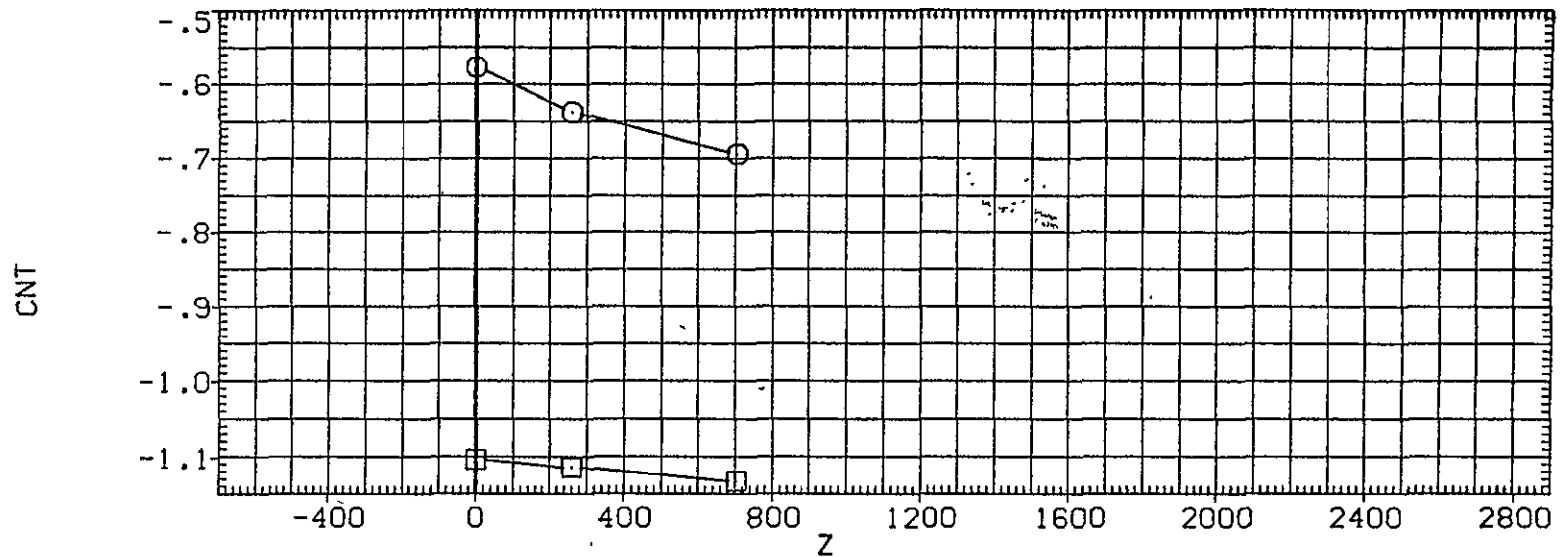
EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.4, PJ=1500)

(A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ136) ○ AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRTING)
 (STL133) □ AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB

ALPHA BETA
 .000 -10.000
 .000 -10.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.4, PJ=1500)

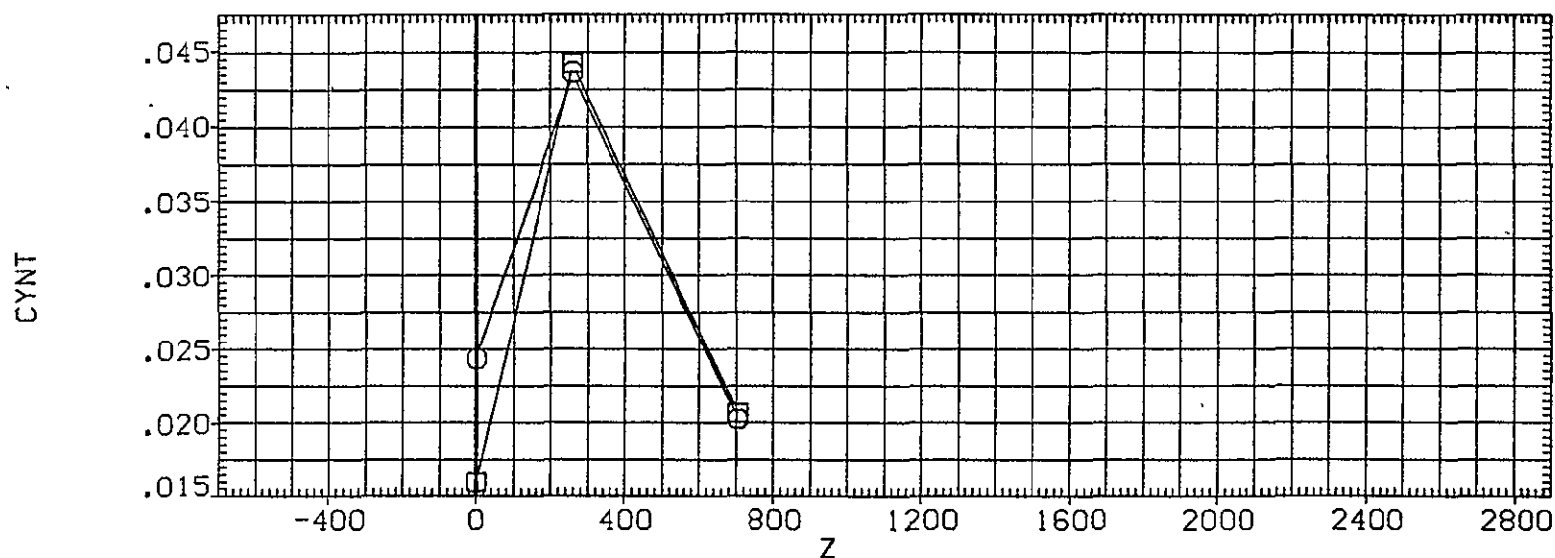
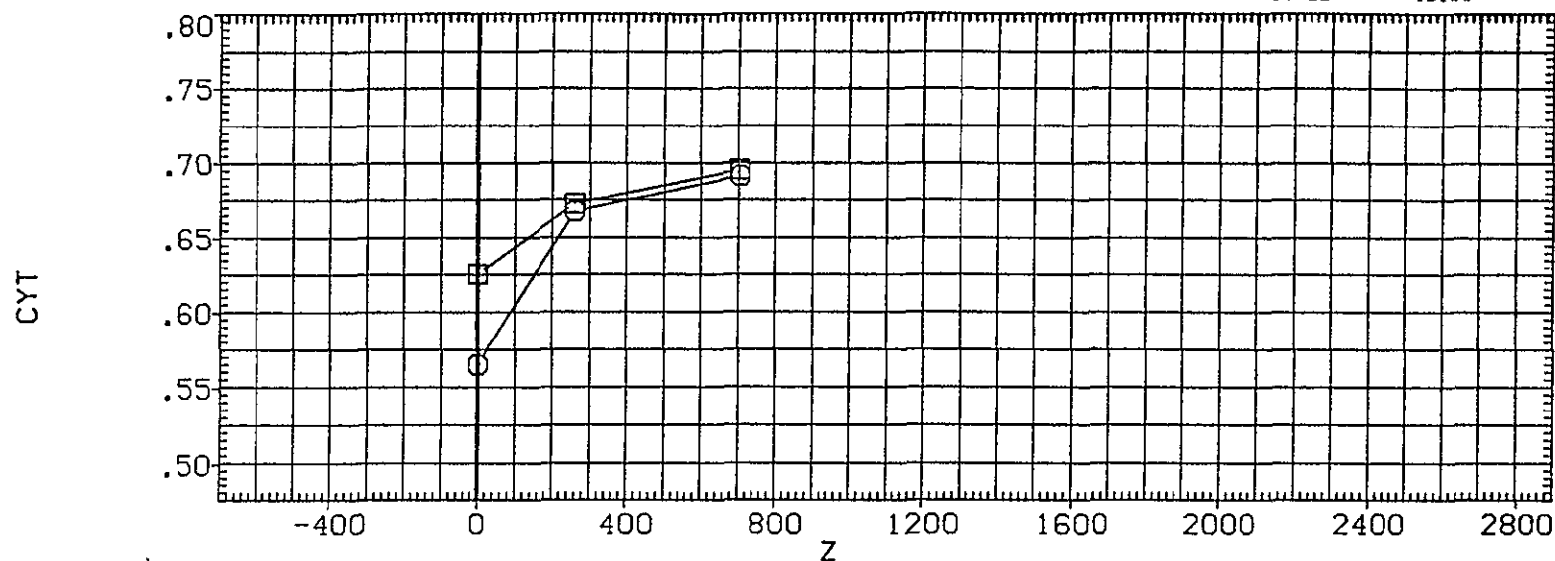
(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(STQ236)	○ AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)
(STL233)	□ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA	BETA
.000	.000
.000	.000



REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	1290.3000	IN.
BREF	1290.3000	IN.
XMRP	1167.0000	IN.XS
YMRP	.0000	IN.YS
ZMRP	400.0000	IN.ZS
SCALE	.0100	



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.4, PJ=1500)

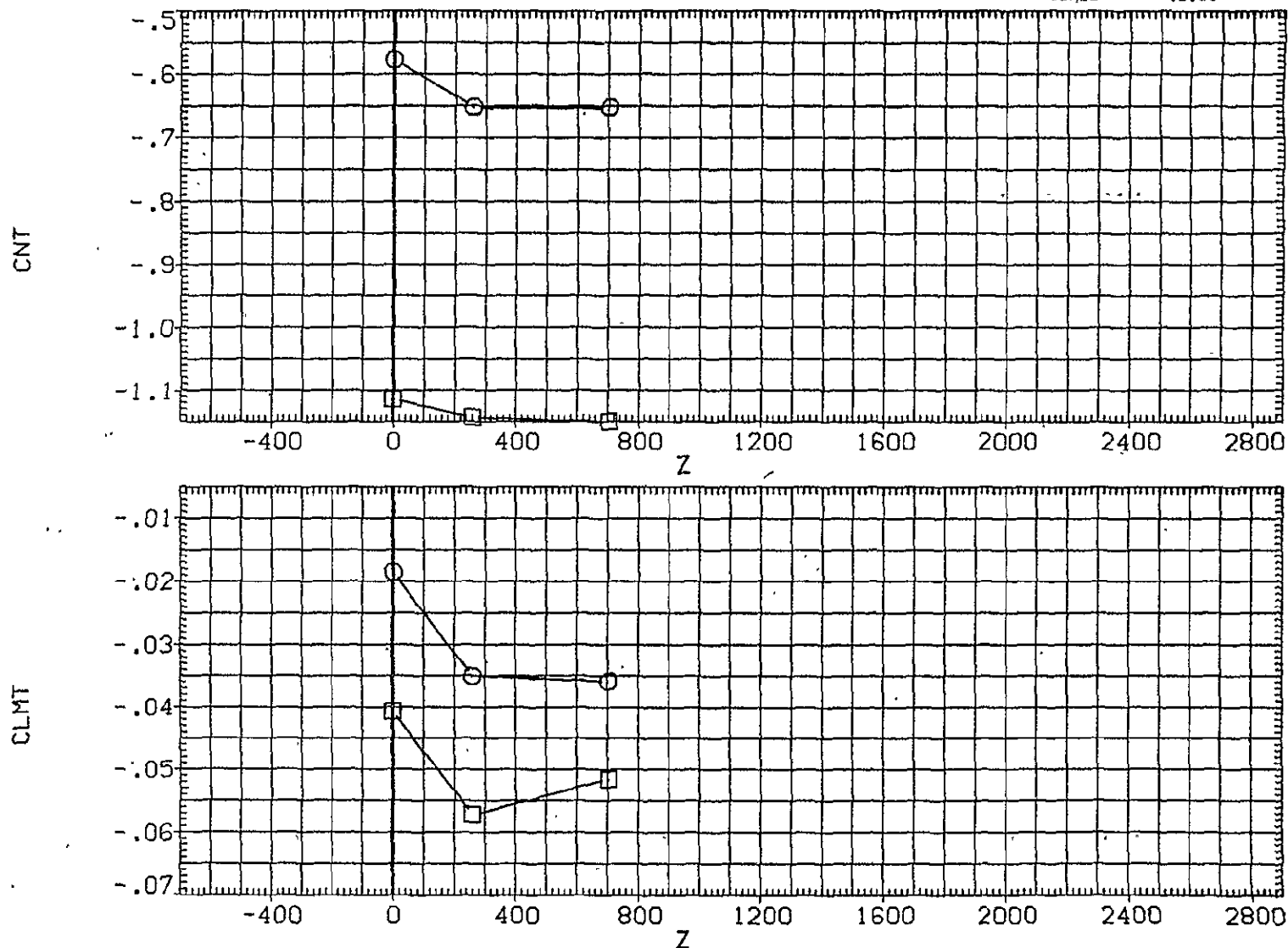
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ236)  AEDC VA422 1AG1 01ET1S1 SRB DATA (O/ET SEPRTING)
 (STL233)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 .000
 .000 .000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.4, PJ=1500)

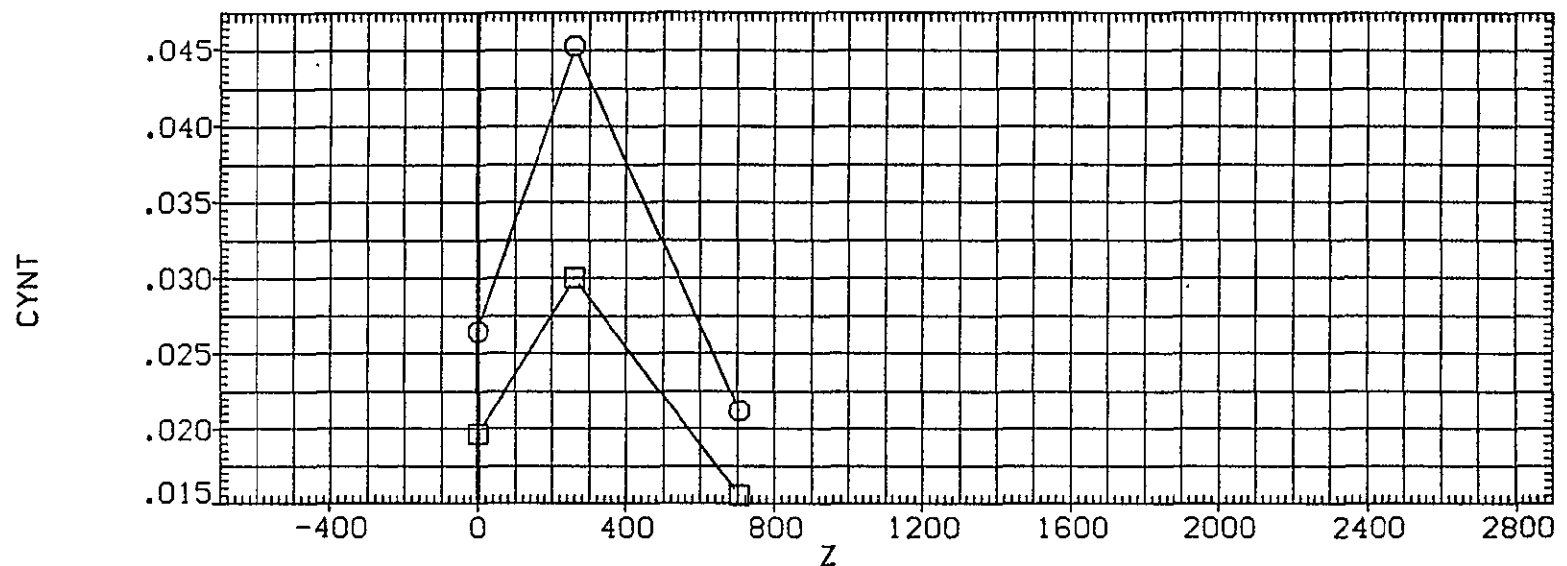
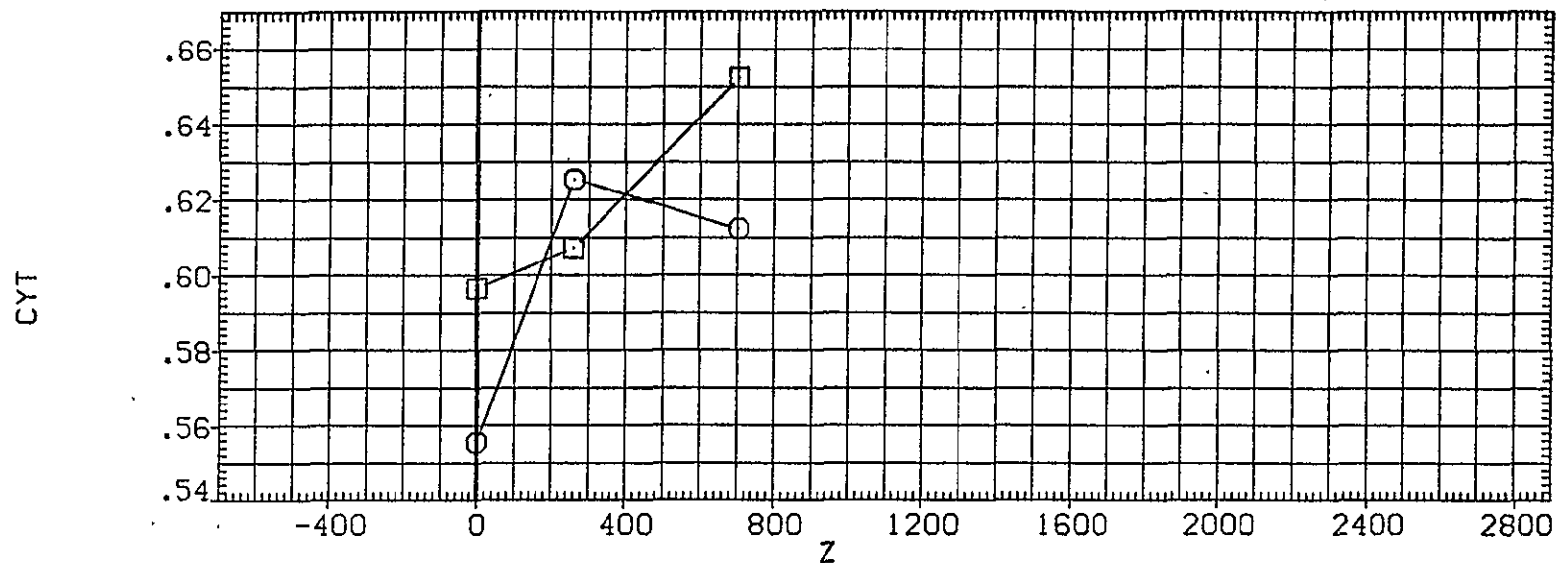
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ336) ○ AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)
 (STL333) □ AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB

ALPHA BETA
 .000 10.000
 .000 10.000



REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.4, PJ=1500)

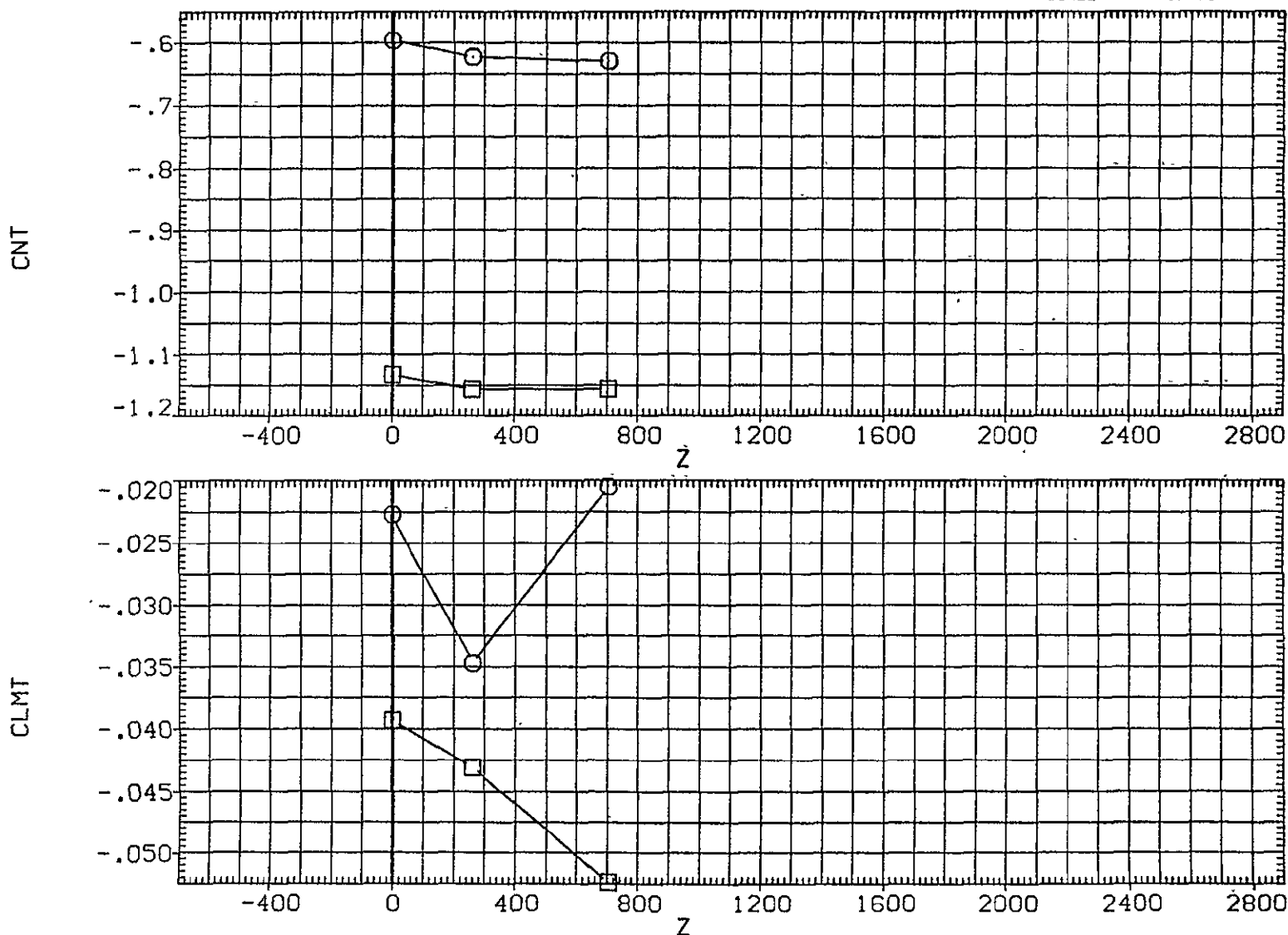
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ336)  AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)
 (STL333)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA
 .000 10.000
 .000 10.000

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF SEPARATION DISTANCE ON SRB AERO CHARACT. (RN/L=1.4, PJ=1500)

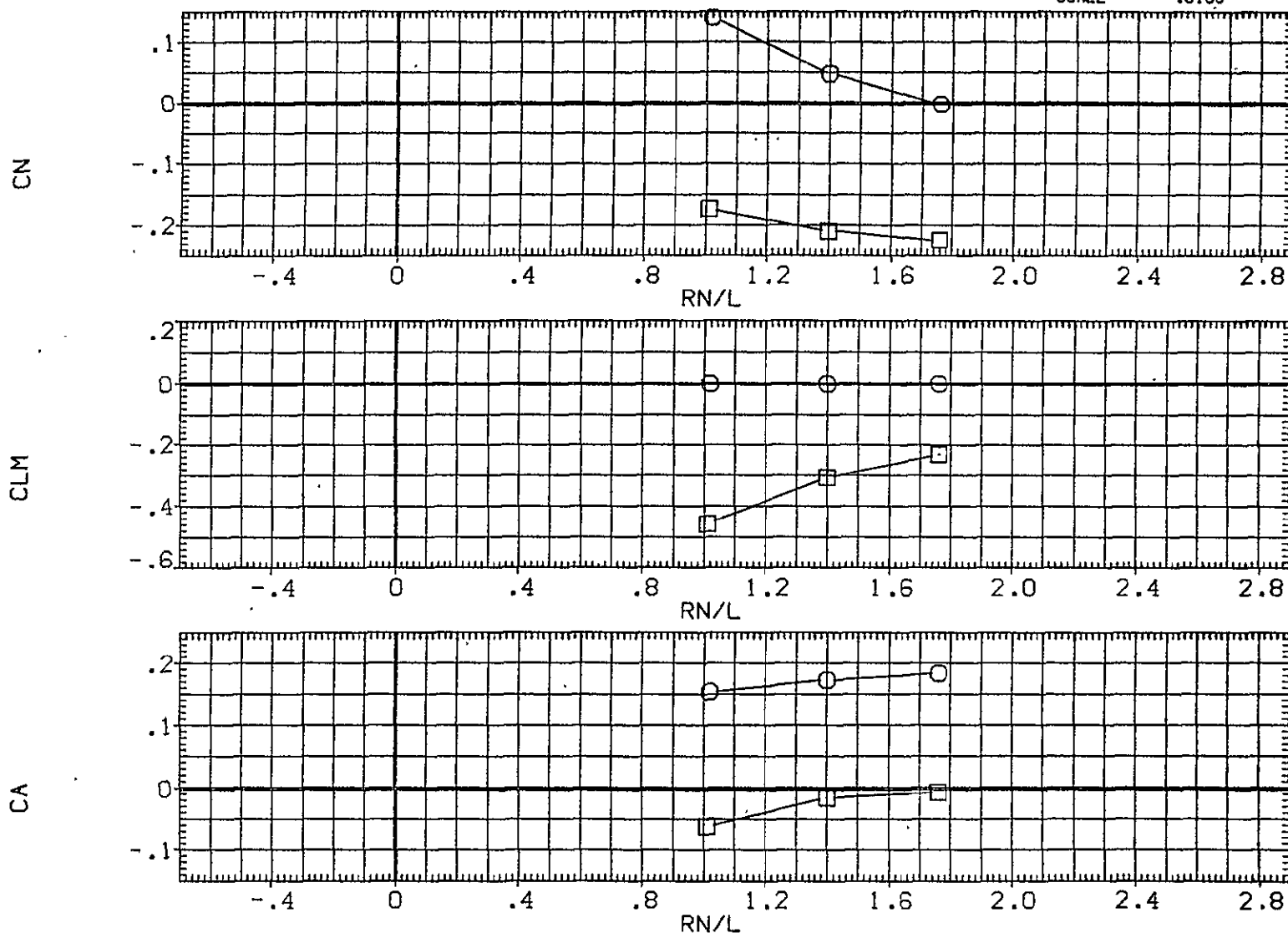
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RTQ430) ☐ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)
 (RTL431) ☐ AEDC VA-422(1A-S7), ORB/ET W/BOTH SRB

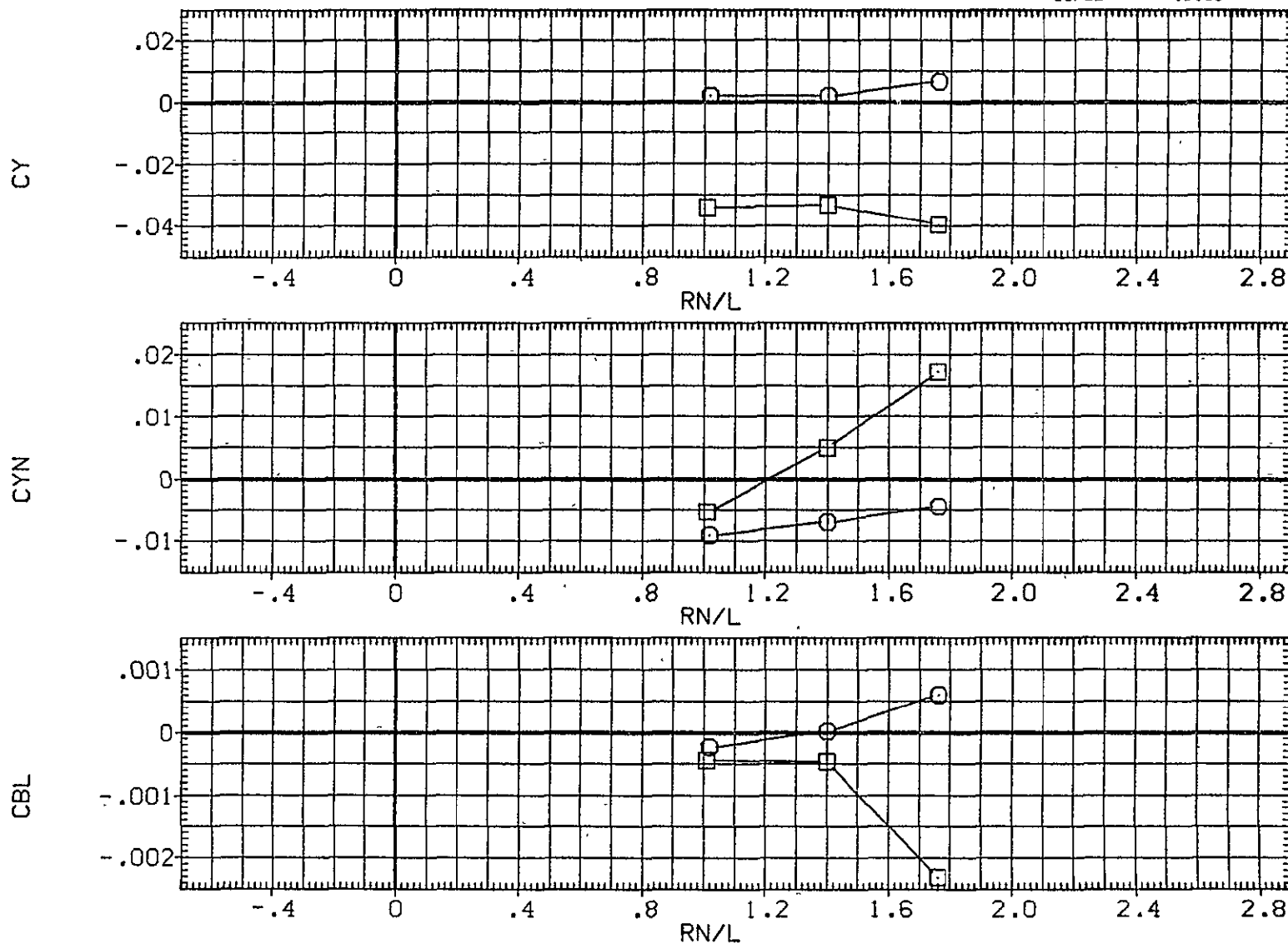
ALPHA BETA SRBPOS
 -10.000 .000 1.100
 -10.000 .000 1.100

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 1.1)
 (A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	SRBPOS	REFERENCE INFORMATION		
(RTQ430)	□ AEDC VA422 1A61 O/ET DATA (SRB SEPRNG)	-10.000	.000	1.100	SREF	2690.0000	SQ.FT.
(RTL431)	□ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	-10.000	.000	1.100	LREF	1290.3000	IN.
					BREF	1290.3000	IN.
					XMRP	1052.0000	IN.XT
					YMRP	.0000	IN.YT
					ZMRP	447.0000	IN.ZT
					SCALE	.0100	

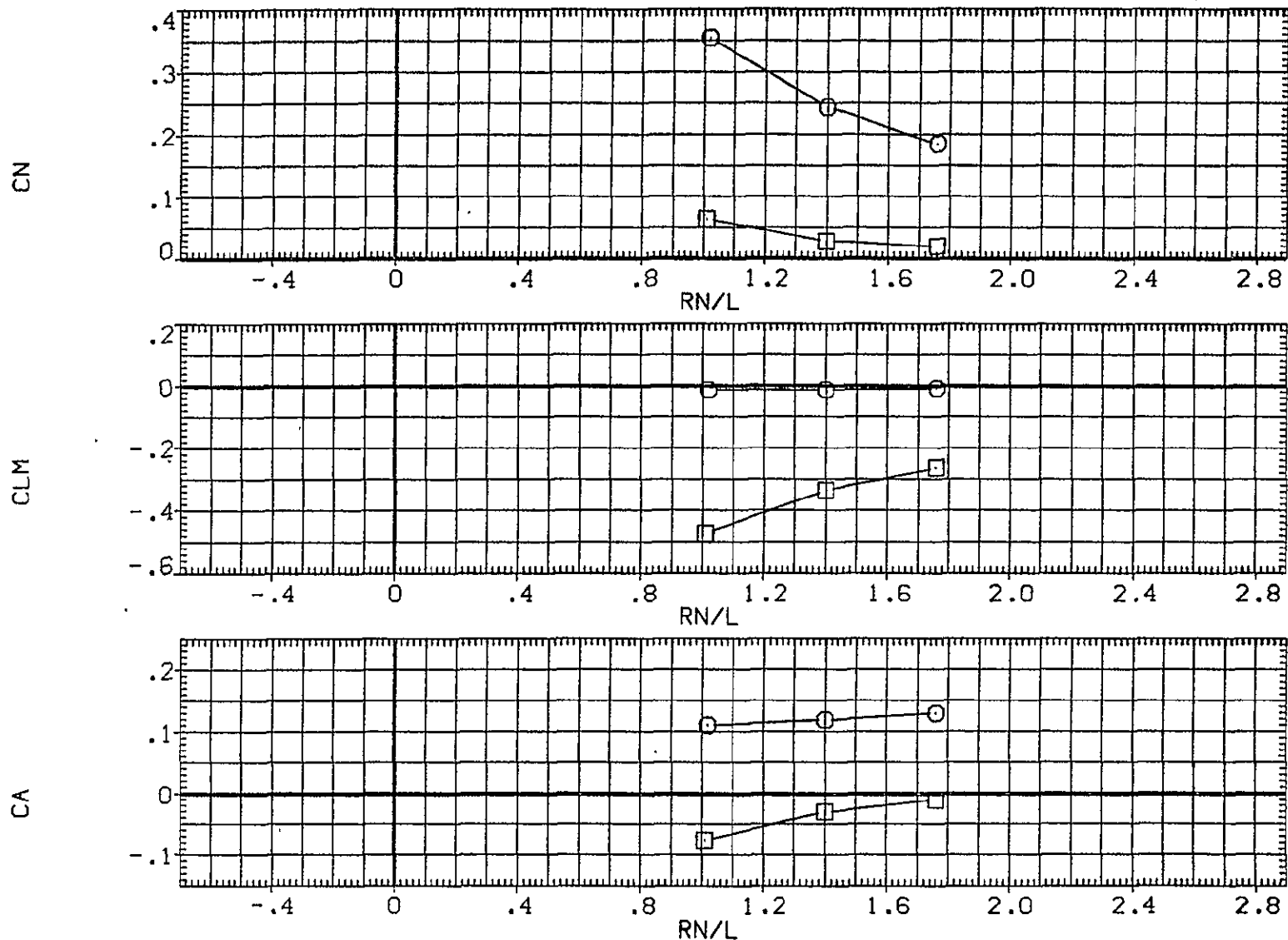


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 1.1)
 (A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RT0530) ○	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRTING)
(RTL531) □	AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB

ALPHA	BETA	SRBPOS
.000	.000	1.100
.000	.000	1.100

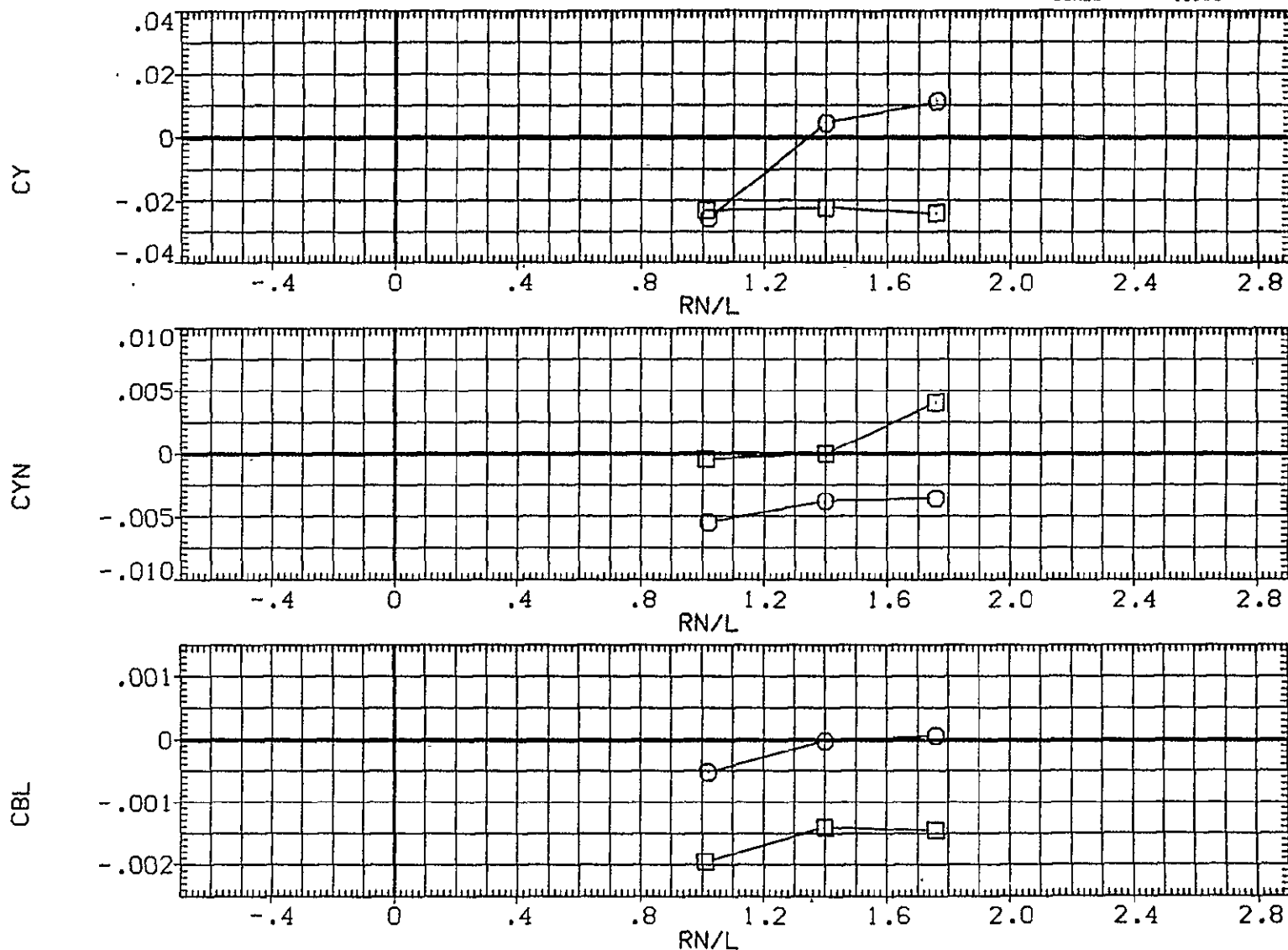
REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	IN.
BREF	1290.3000	IN.
XMRP	1052.0000	IN.XT
YMRP	.0000	IN.YT
ZMRP	447.0000	IN.ZT
SCALE	.0100	



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RTQ530) ☐ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)
 (RTL531) ☐ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 .000 1.100
 .000 .000 1.100

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 1.1)

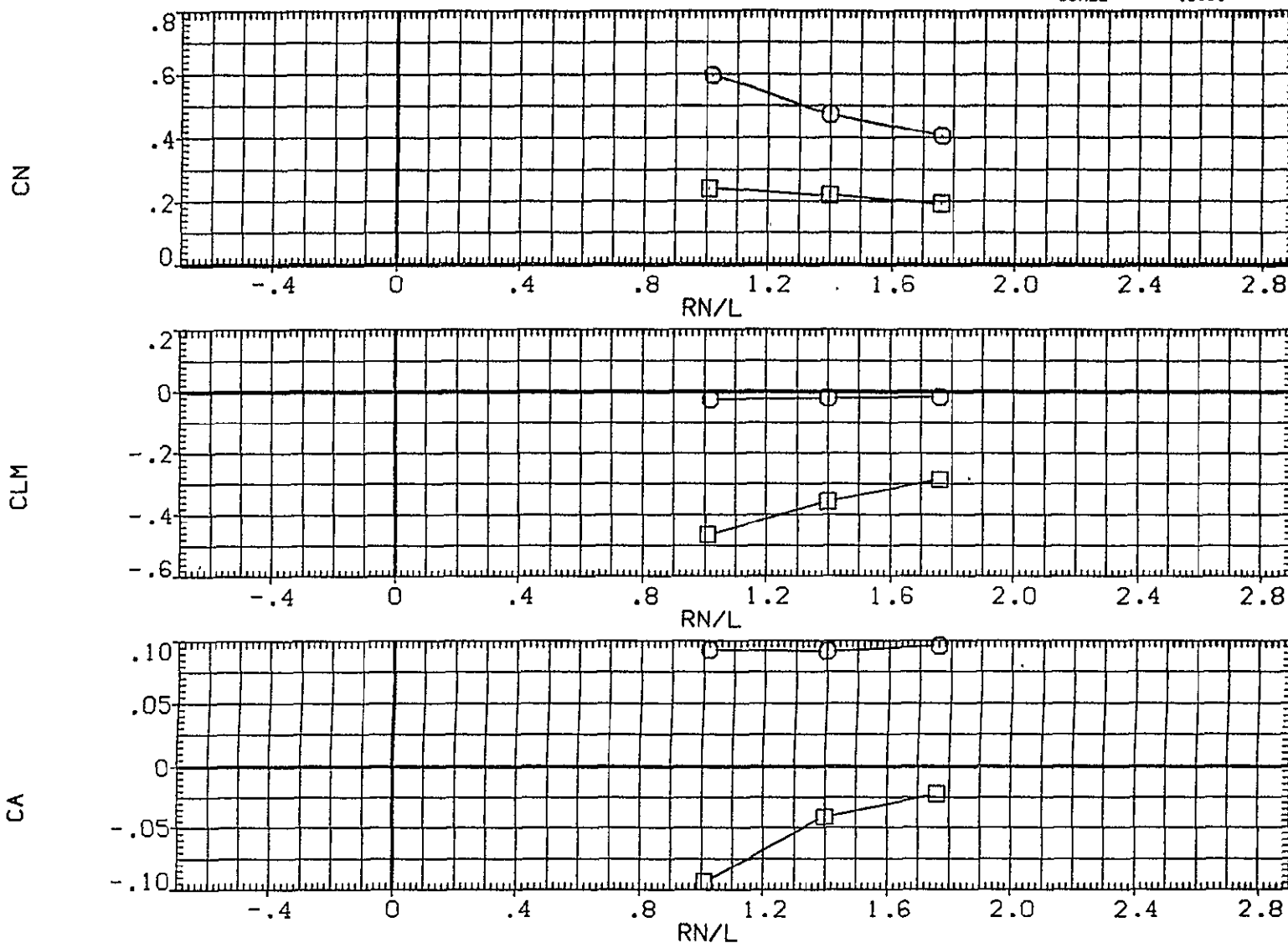
(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RT0630)	○ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)
(RTL631)	□ AEDC VA-422(1A-57). ORB/ET W/BOTH SRB

ALPHA	BETA	SRBPOS
10.000	.000	1.100
10.000	.000	1.100

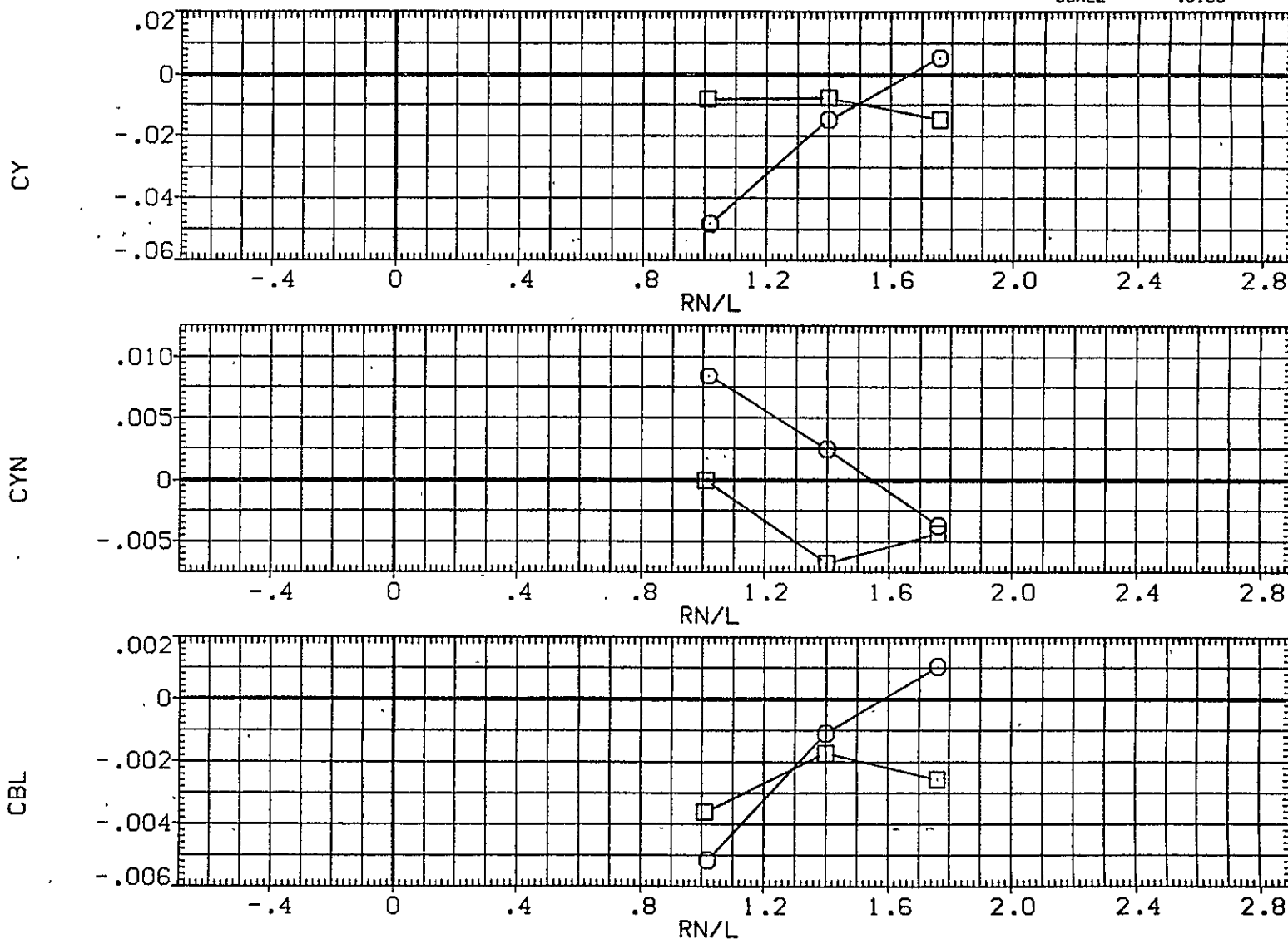
REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	IN.
BREF	1290.3000	IN.
XMRP	1052.0000	IN.XT
YMRP	.0000	IN.YT
ZMRP	447.0000	IN.ZT
SCALE	.0100	



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0630) ☐ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)
 (RTL631) ☐ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 10.000 .000 1.100
 10.000 .000 1.100

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100

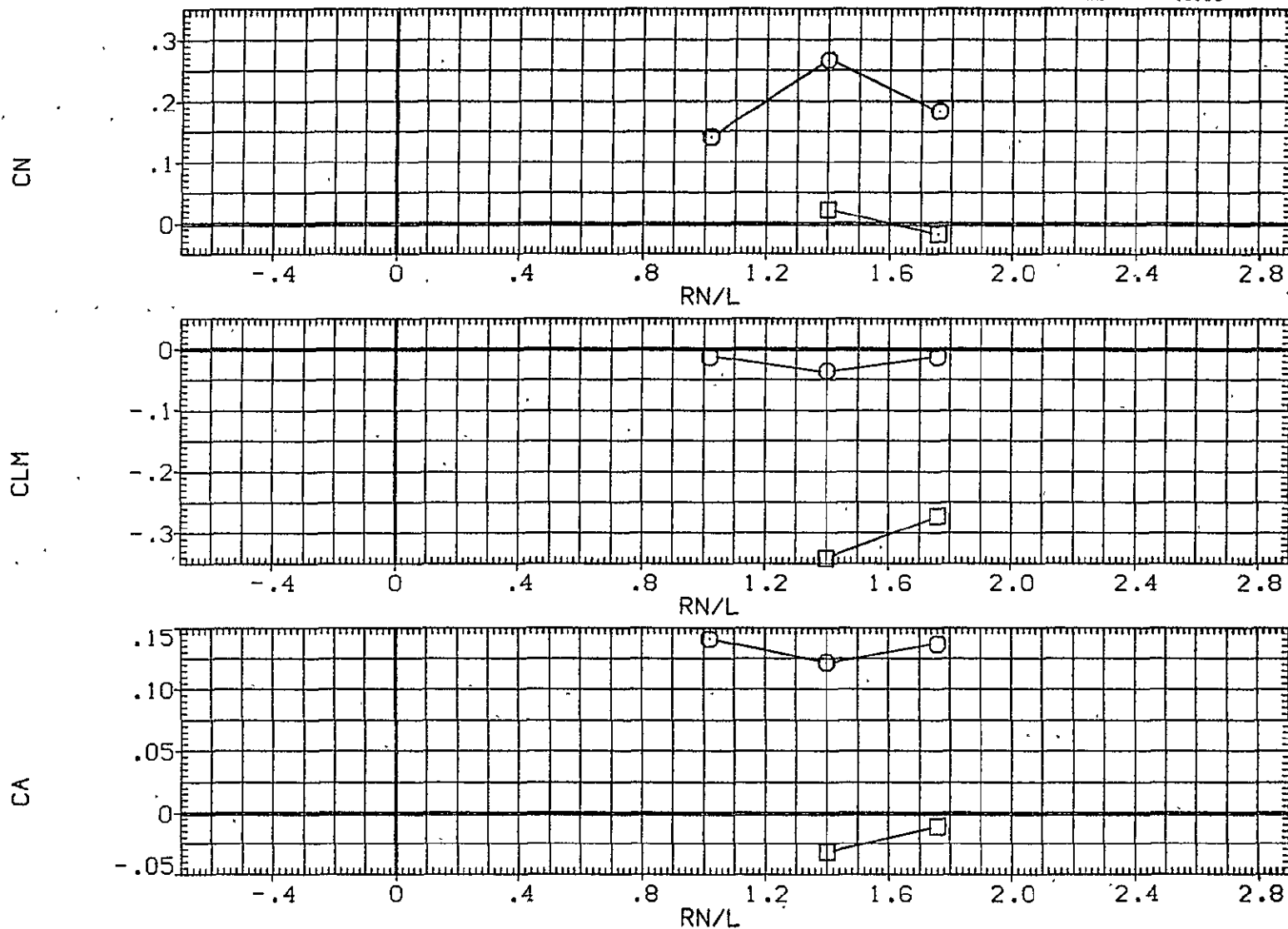


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 1.1)
 (A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RT0431) ○	AEDC VA422 IAG1 O/ET DATA (SRB SEPRNG)
(RTL433) □	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA	BETA	SRBPOS
.000	-10.000	1.100
.000	-10.000	1.100

REFERENCE INFORMATION		
SREF	2690.0000	SO.FT.
LREF	1290.3000	IN.
BREF	1290.3000	IN.
XMRP	1052.0000	IN.XT
YMRP	.0000	IN.YT
ZMRP	447.0000	IN.ZT
SCALE	.0100	

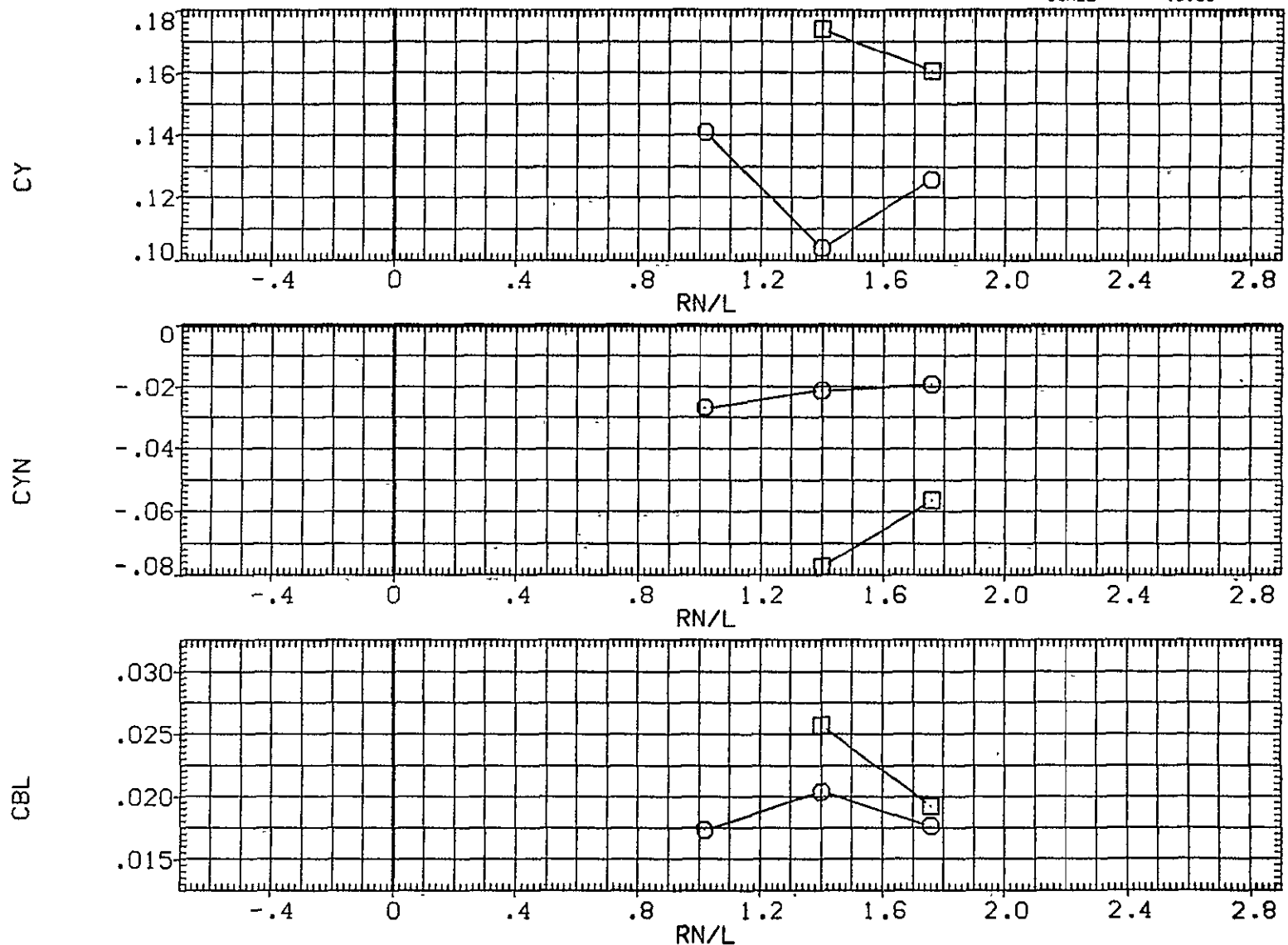


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 1.1)
 (A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0431) ☐ AEDC VA422 (A61 01ET1S) O/ET DATA (SRB SEPRNG)
 (RTL433) ☐ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 -10.000 1.100
 .000 -10.000 1.100

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FY.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100

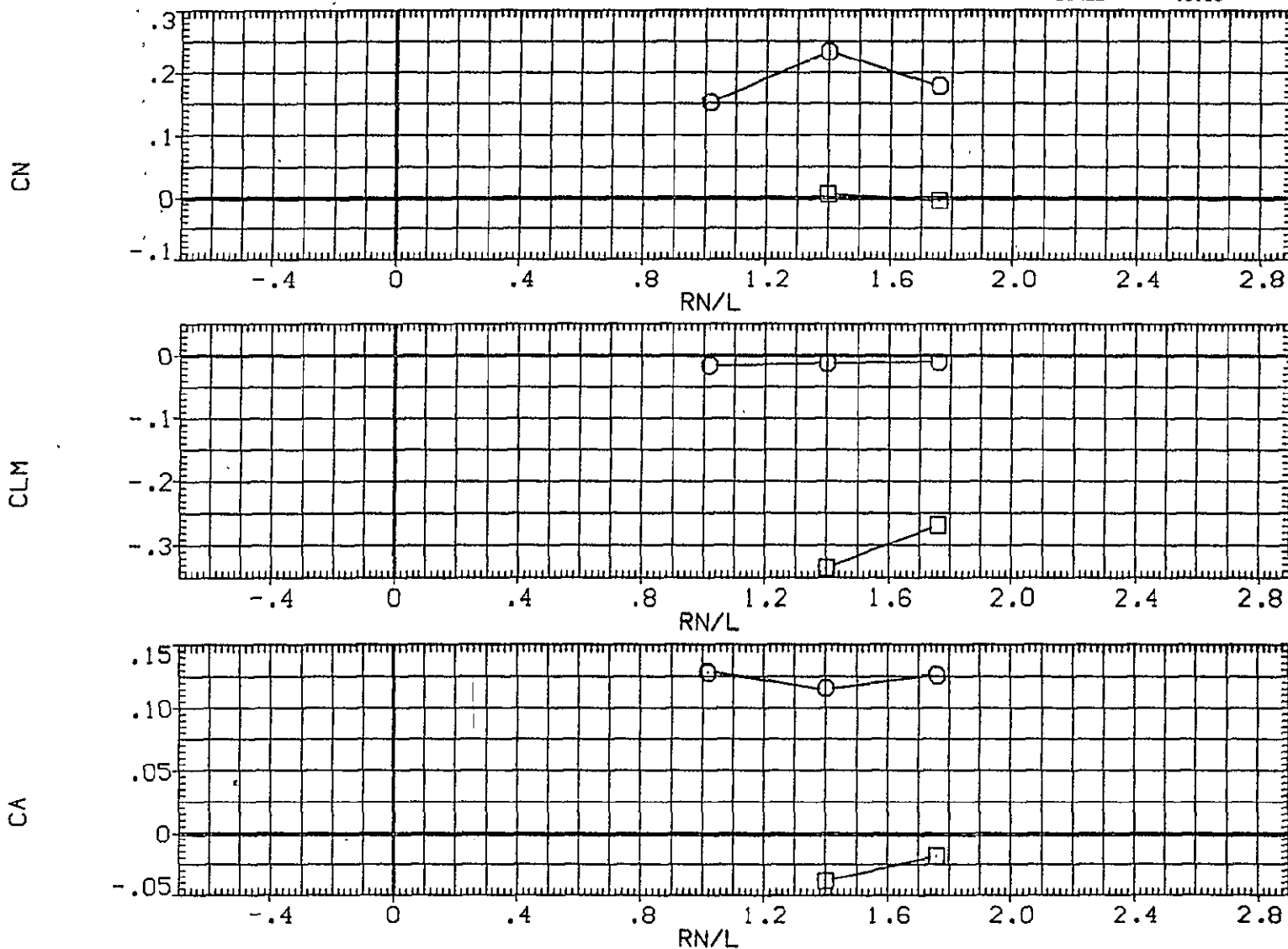


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 1.1)
 (A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0531) ○ AEDC VA422 [A61 01ET1S1] O/ET DATA (SRB SEPRNG)
 (RTL533) □ AEDC VA-422[1A-57], ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 .000 1.100
 .000 .000 1.100



REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 1.1)

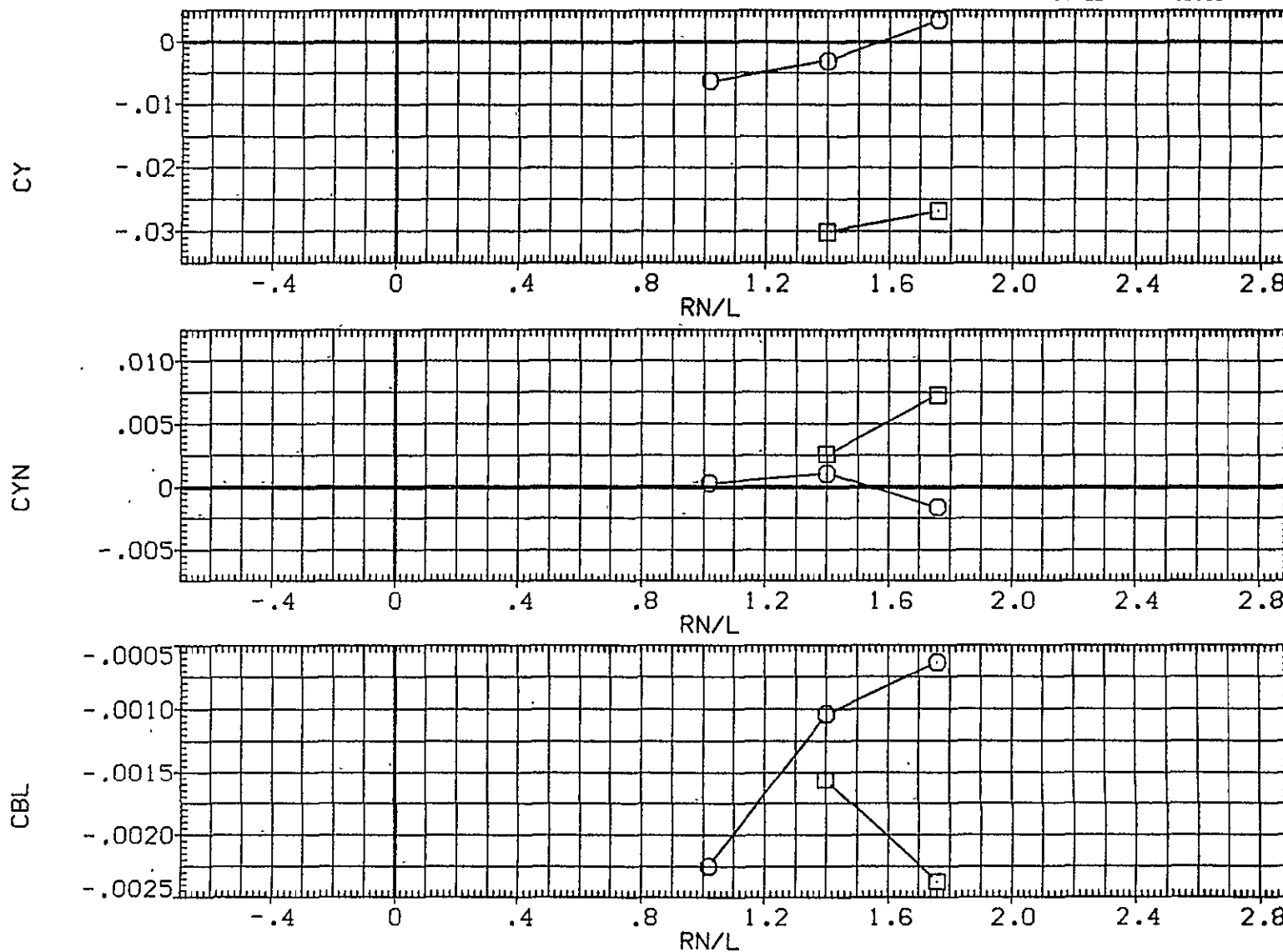
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0531)  AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)
 (RTL533)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 .000 1.100
 .000 .000 1.100

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100

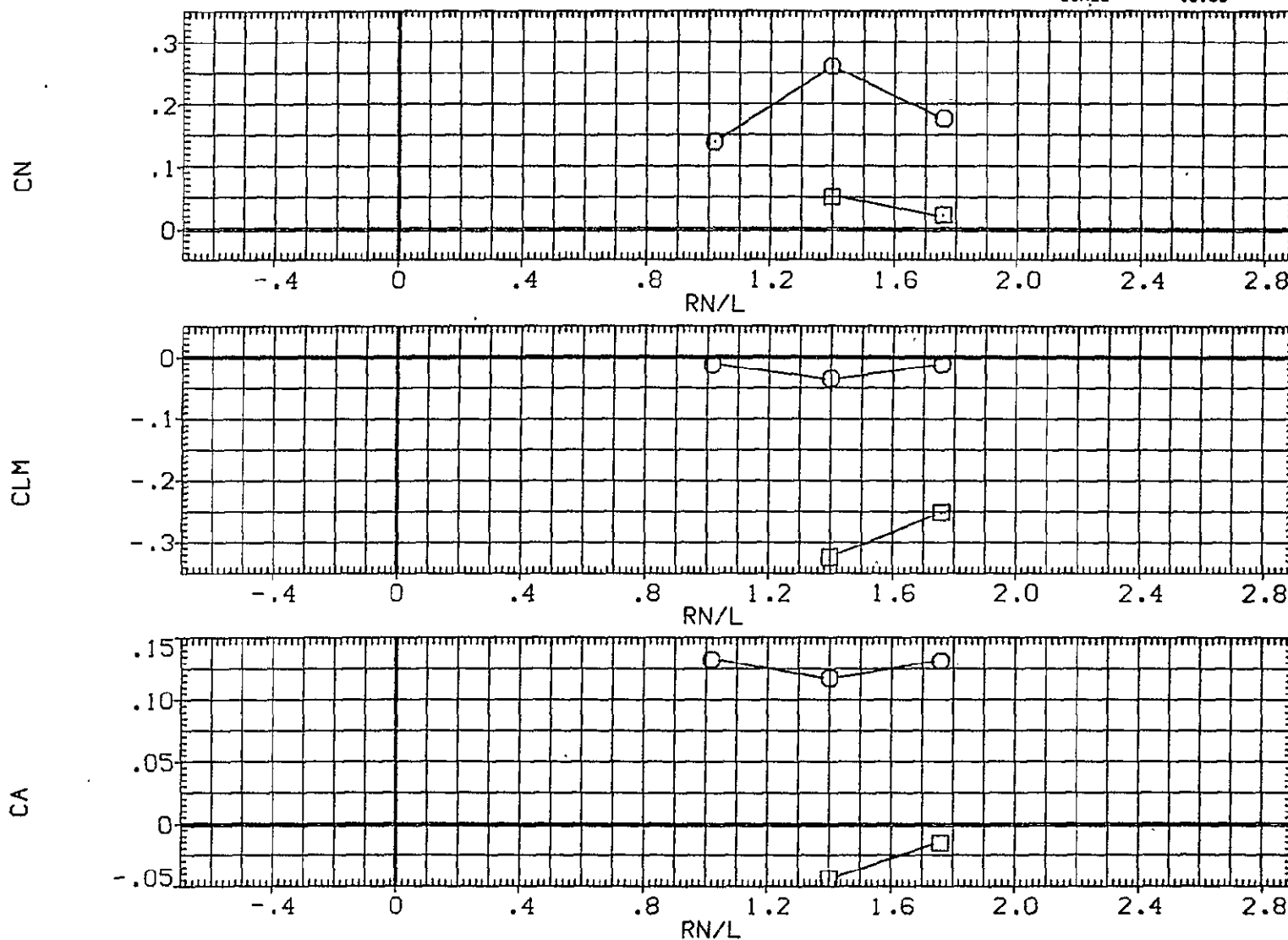


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 1.1)
 (A)MACH = 4.50 PAGE 370

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RTQ631) ☐ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRTING)
 (RTL633) ☐ AEDC VA-422(1A-57). 0RB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 10.000 1.100
 .000 10.000 1.100



REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON 0/ET AERO CHARACT(SRB POS 1.1)

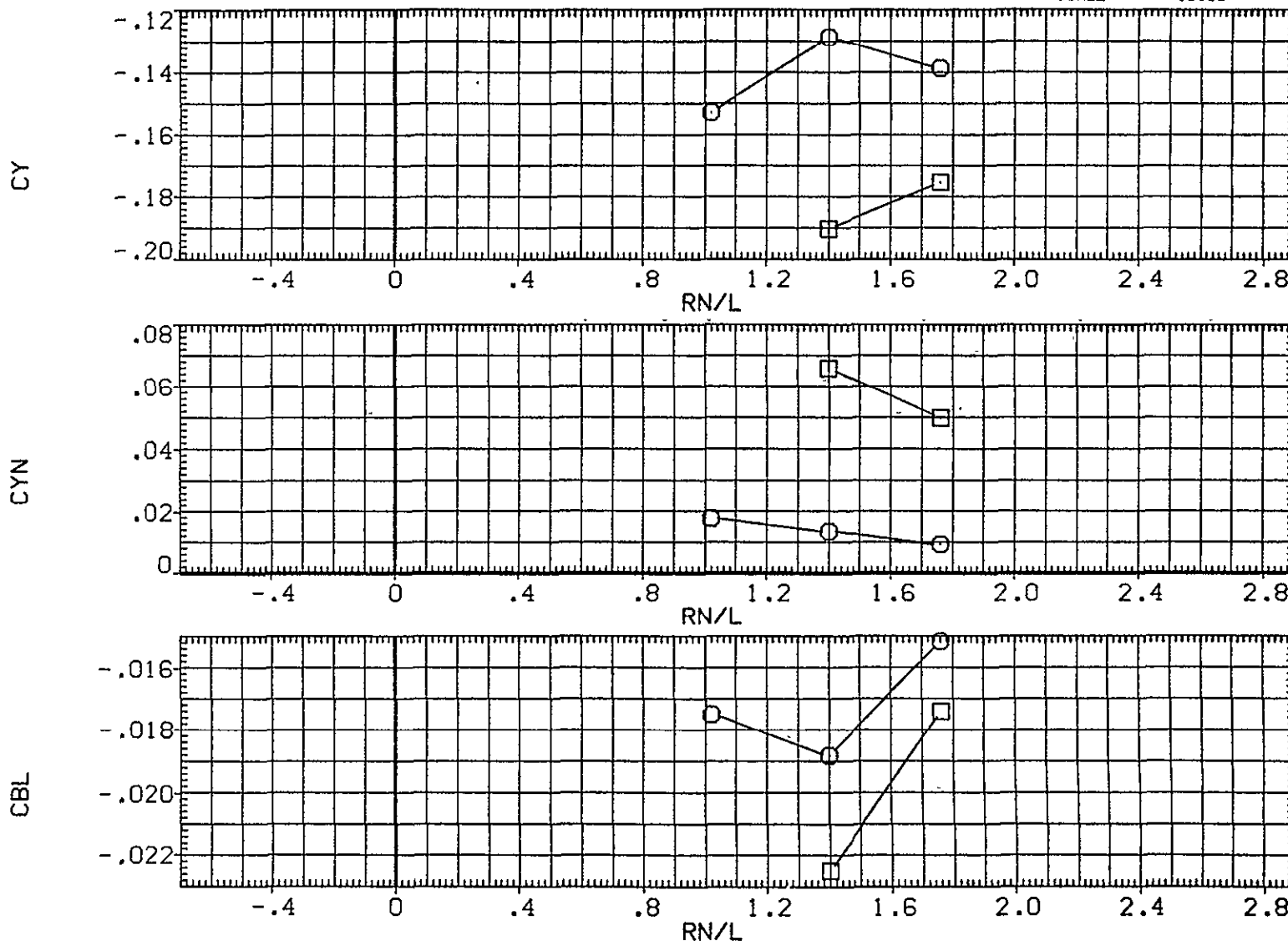
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0631)  AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRING)
 (RTL633)  AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 10.000 1.100
 .000 10.000 1.100

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100

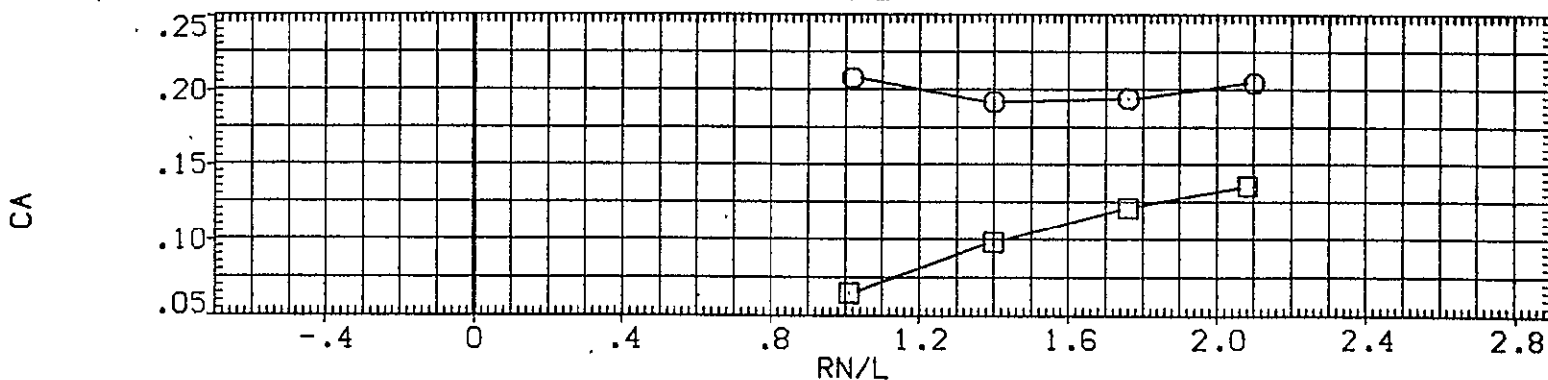
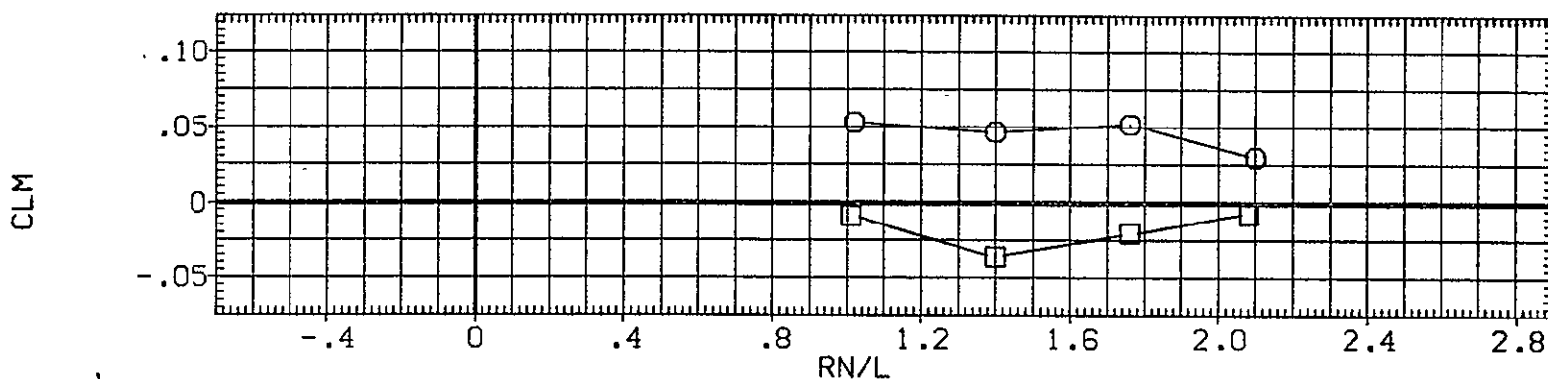
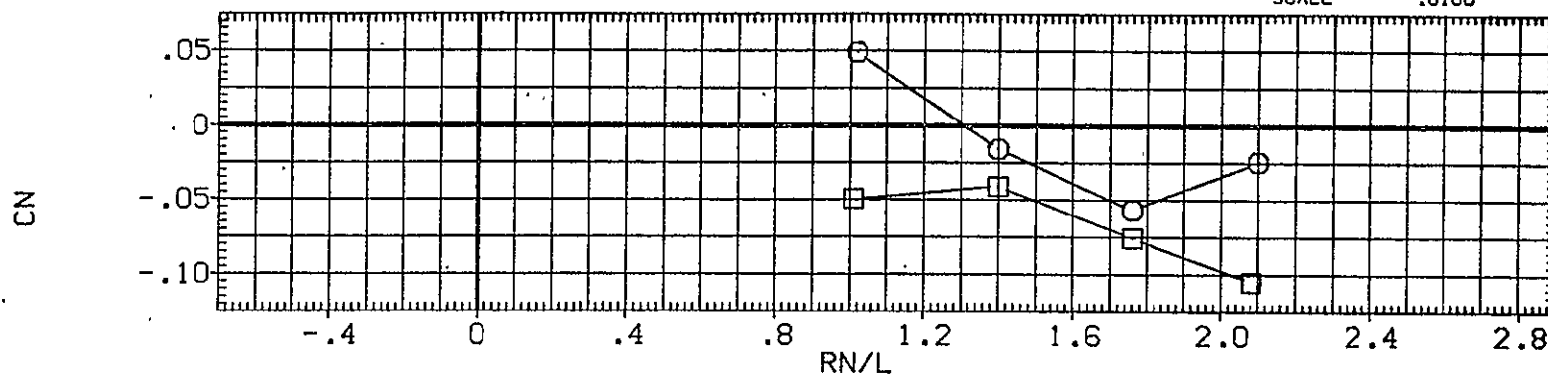


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 1.1)
 (A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RTQ449)	○ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)
(RTL442)	□ AEDC VA-422(1A-57), GRB/ET W/BOTH SRB

ALPHA	BETA	SRBPOS
-10.000	.000	2.200
-10.000	.000	2.200

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	1290.3000 IN.
BREF	1290.3000 IN.
XMRP	1052.0000 IN.YT
YMRP	.0000 IN.YT
ZMRP	447.0000 IN.ZT
SCALE	.0100



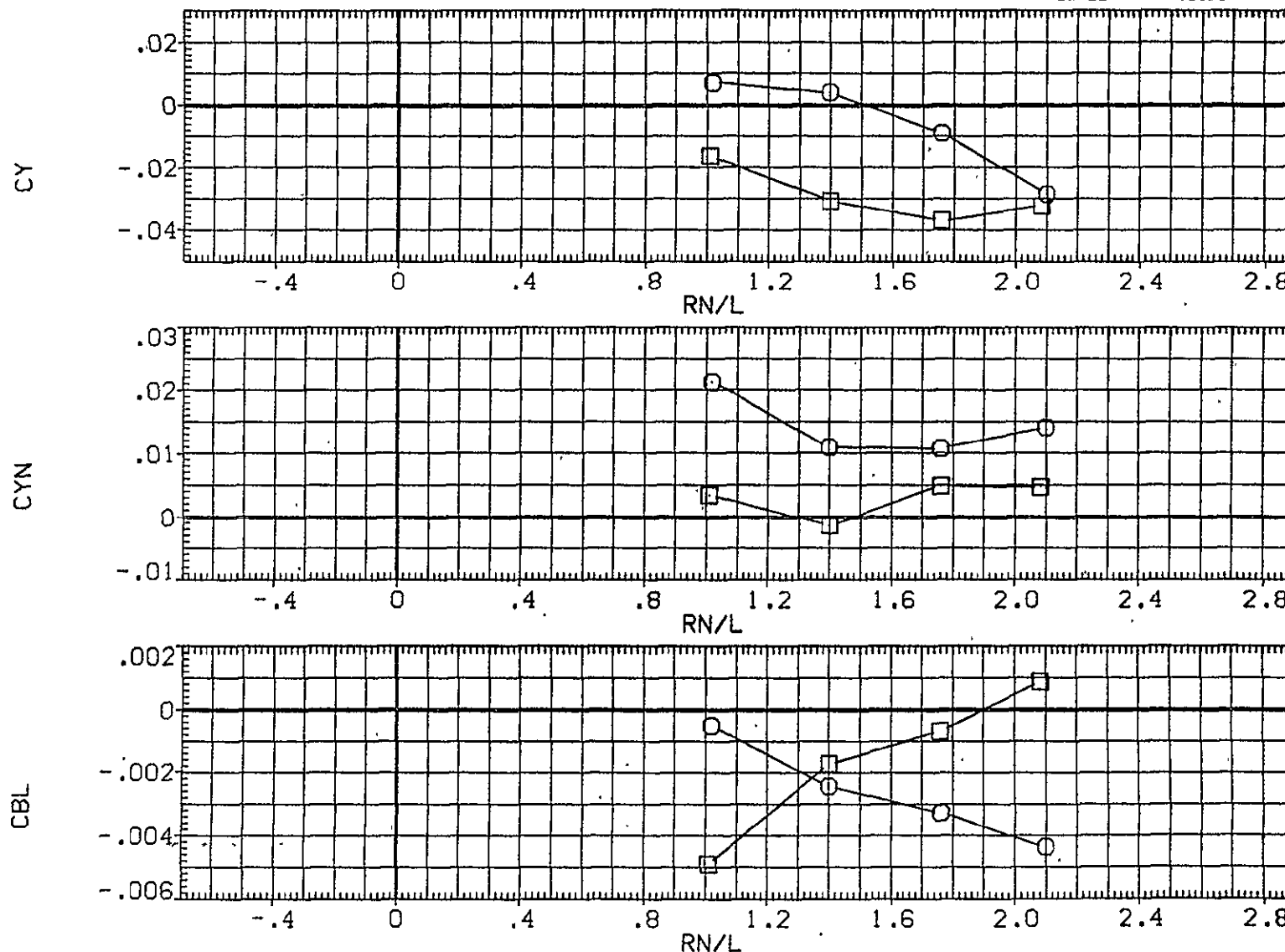
EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 2.2)

(A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RT0449) ○	AEDC VA422 IAG1 01ET1S1 O/ET DATA (SRB SEPRING)
(RTL442) □	AEDC VA-422(IA-57), ORB/ET W/BOTH SRB

ALPHA	BETA	SRBPOS
-10.000	.000	2.200
-10.000	.000	2.200

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	1290.3000	IN.
BREF	1290.3000	IN.
XMRP	1052.0000	IN.XT
YMRP	.0000	IN.YT
ZMRP	447.0000	IN.ZT
SCALE	.0100	



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 2.2)

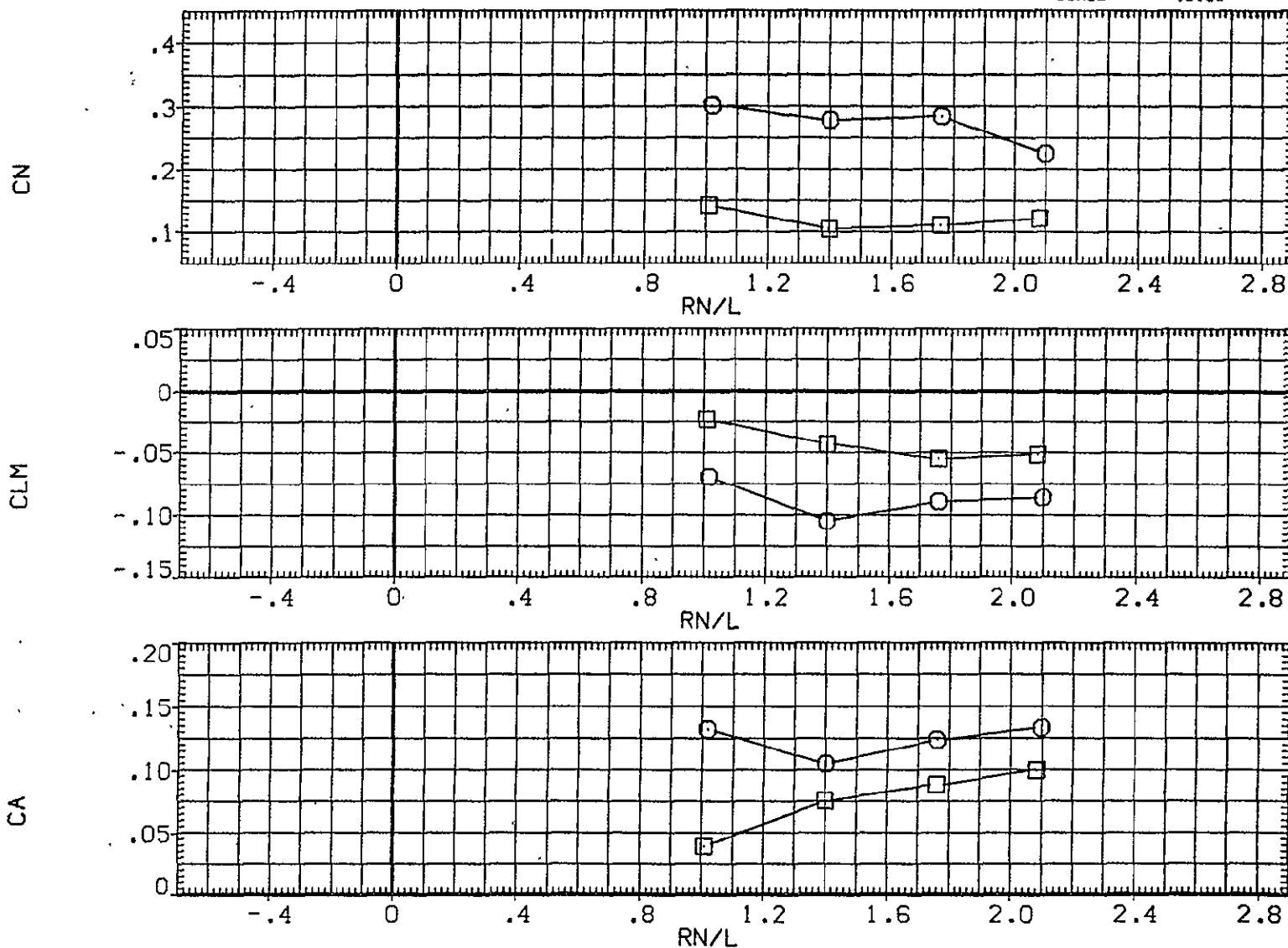
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0549) ☐ AEDC VA422 (A61 01ET1S1 0/ET DATA (SRB SEPRNG)
 (RTL542) ☐ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 .000 2.200
 .000 .000 2.200

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 2.2)

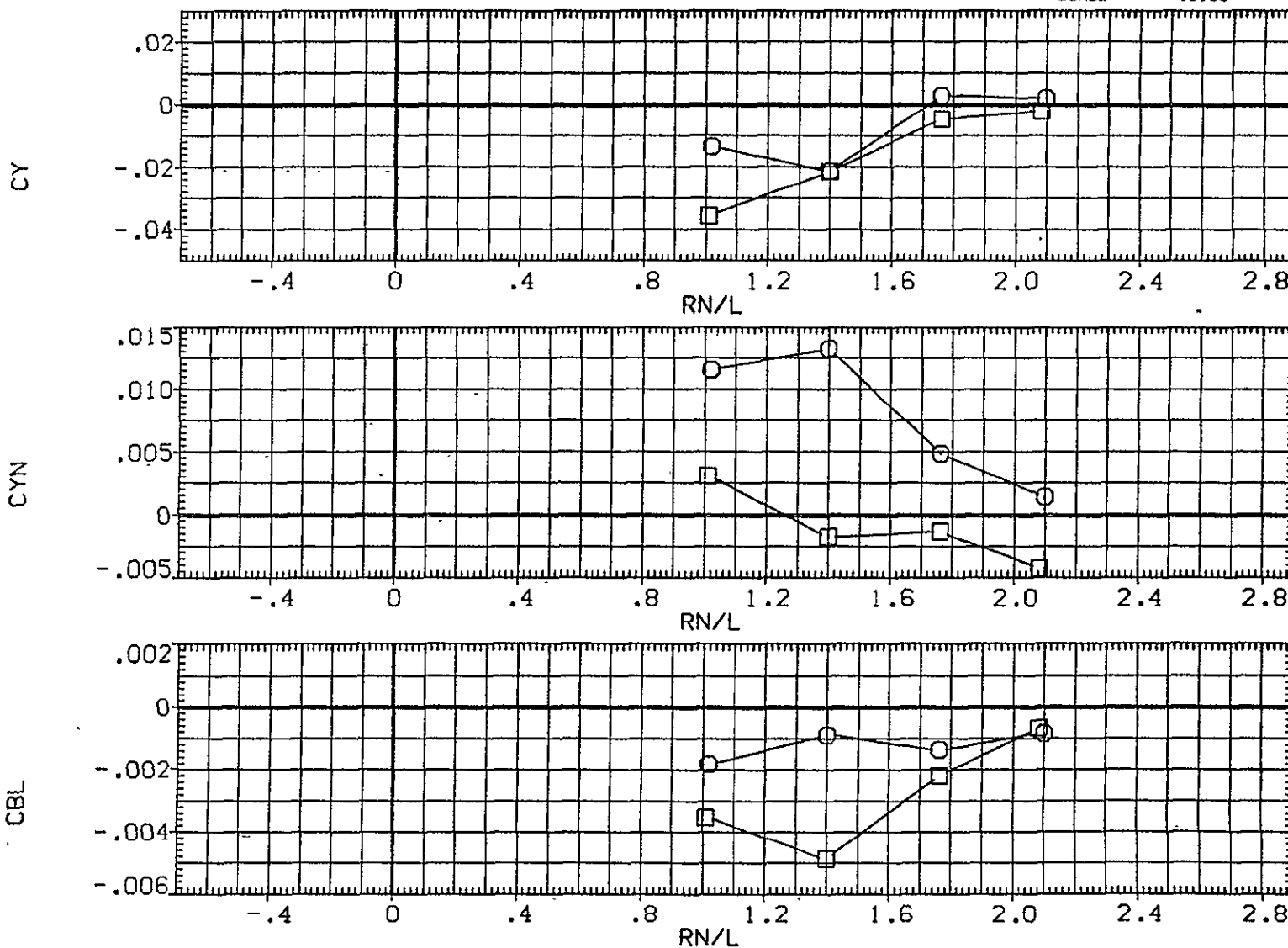
CA)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0549) \square AEDC VA422 IA61 01ET1S1 O/ET DATA (SRB SEPRING)
 (RTL542) \square AEDC VA-422(1A-57), OR0/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 .000 2.200
 .000 .000 2.200

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100

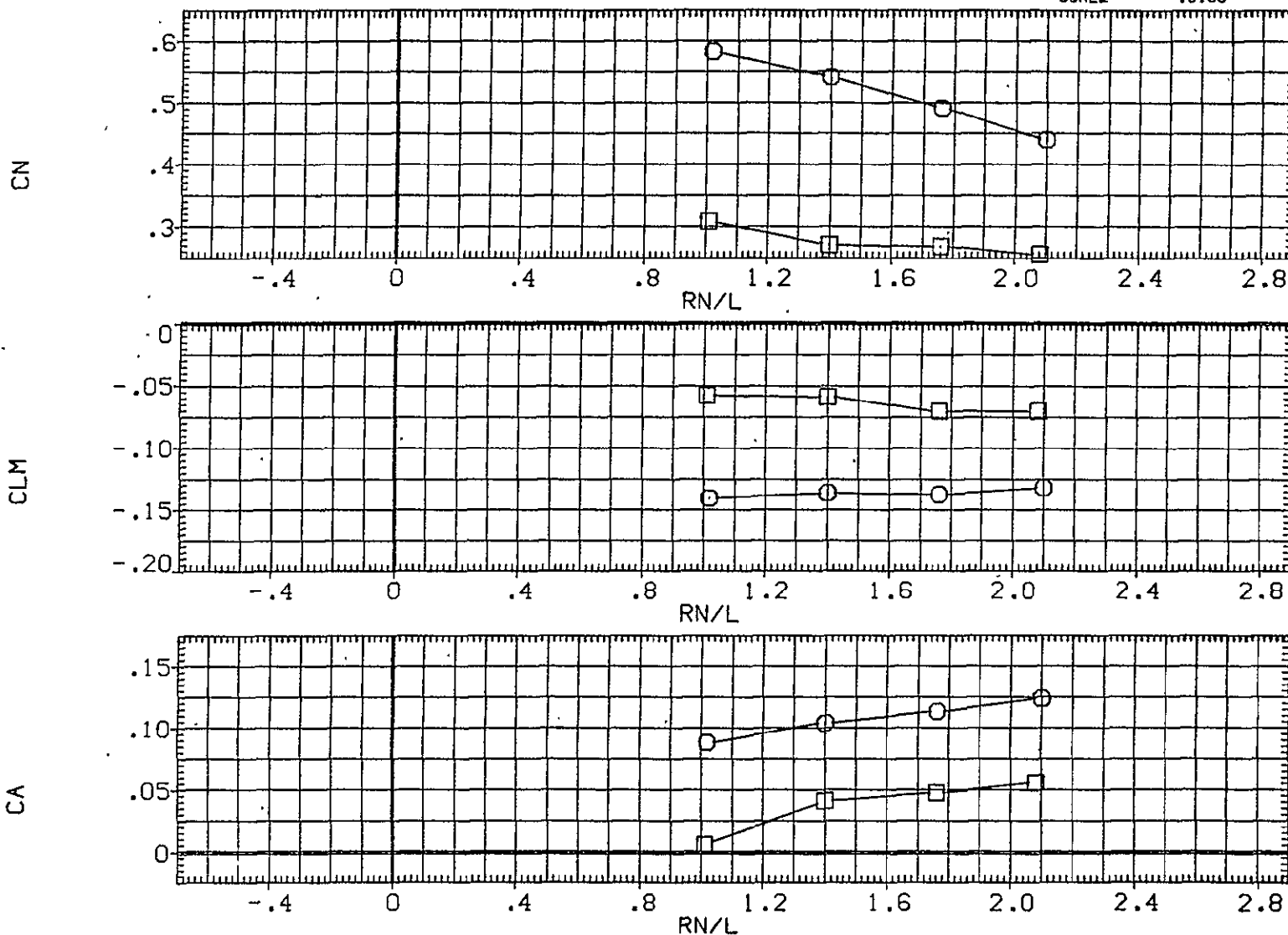


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 2.2)
 (A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RT0649) ○	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRTING)
(RTL642) □	AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB

ALPHA	BETA	SRBPOS
10.000	.000	2.200
10.000	.000	2.200

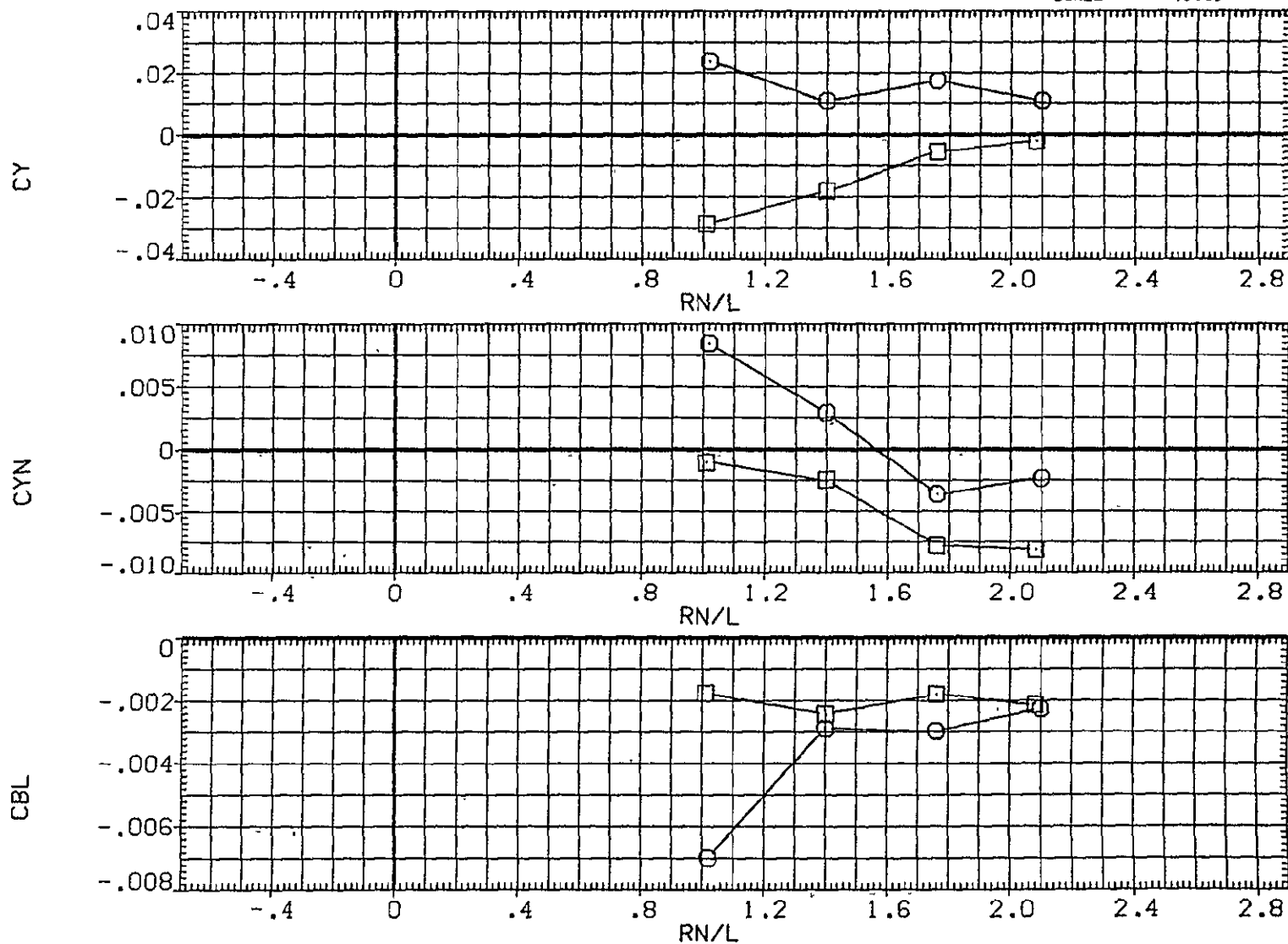
REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	IN.
BREF	1290.3000	IN.
XMRP	1052.0000	IN.XT
YMRP	.0000	IN.YT
ZMRP	447.0000	IN.ZT
SCALE	.0100	



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0649) \square AEDC VA422 (A61 01ET1S1 O/ET DATA (SRB SEPRNG)
 (RTL642) \square AEDC VA-422 (1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 10.000 .000 2.200
 10.000 .000 2.200



REFERENCE INFORMATION
 SREF 2690.0000 SO.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 2.2)

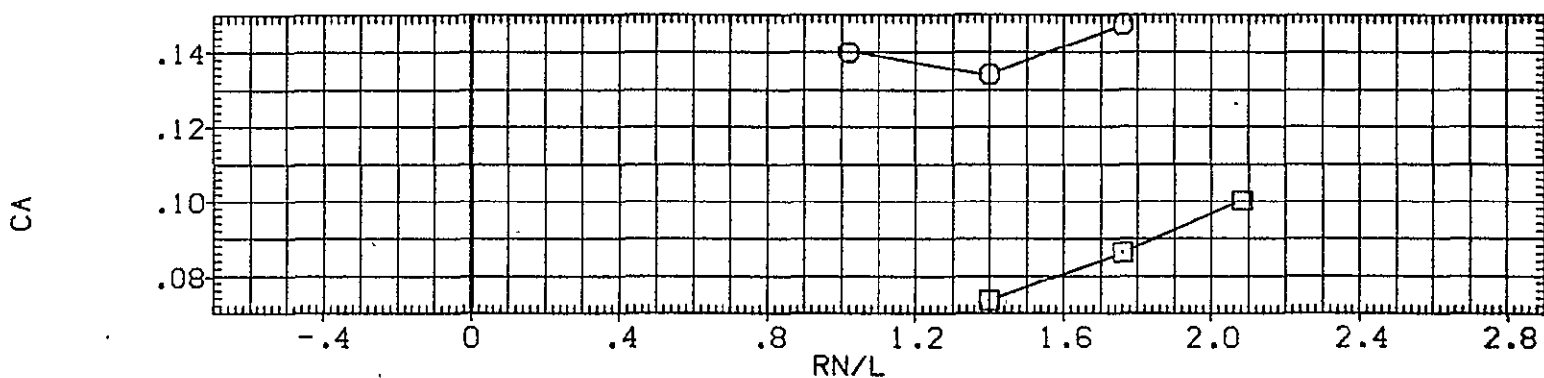
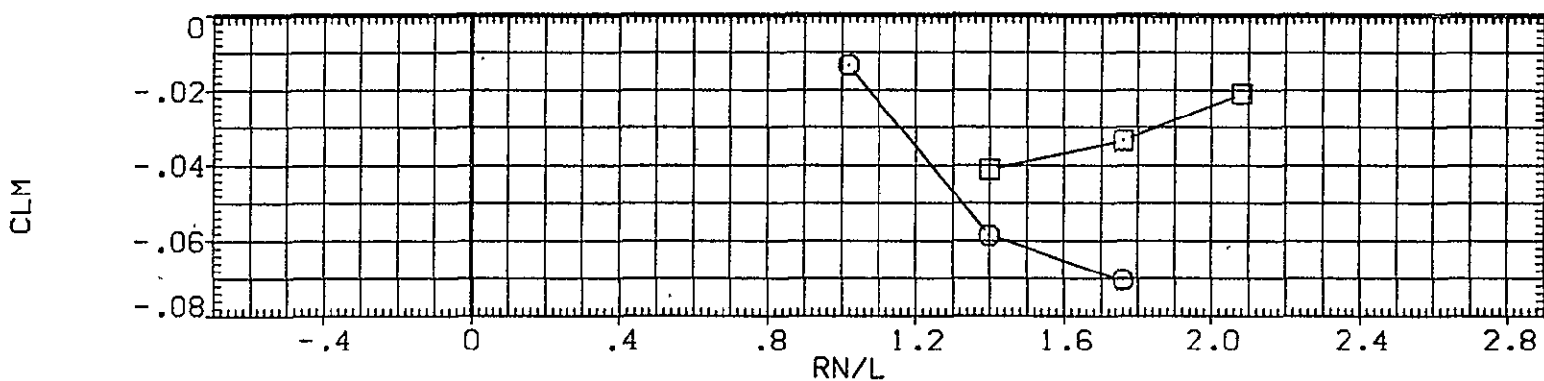
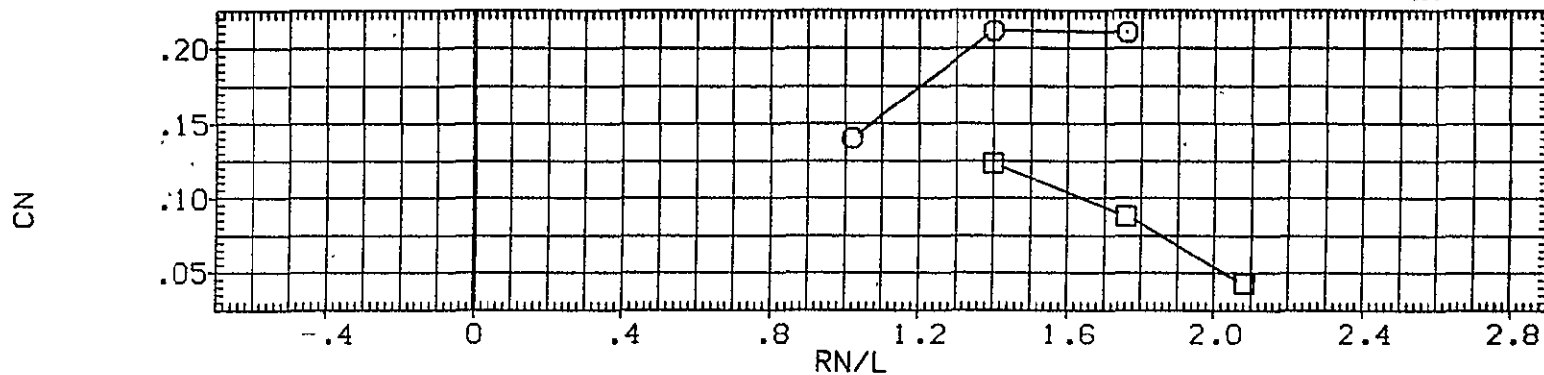
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0451)  AEDC VA422 (A61 01ET1S1 0/ET DATA (SRB SEPRTING)
 (RTL444)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBP05
 .000 -10.000
 .000 -10.000 2.200

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON 0/ET AERO CHARACT(SRB POS 2.2)

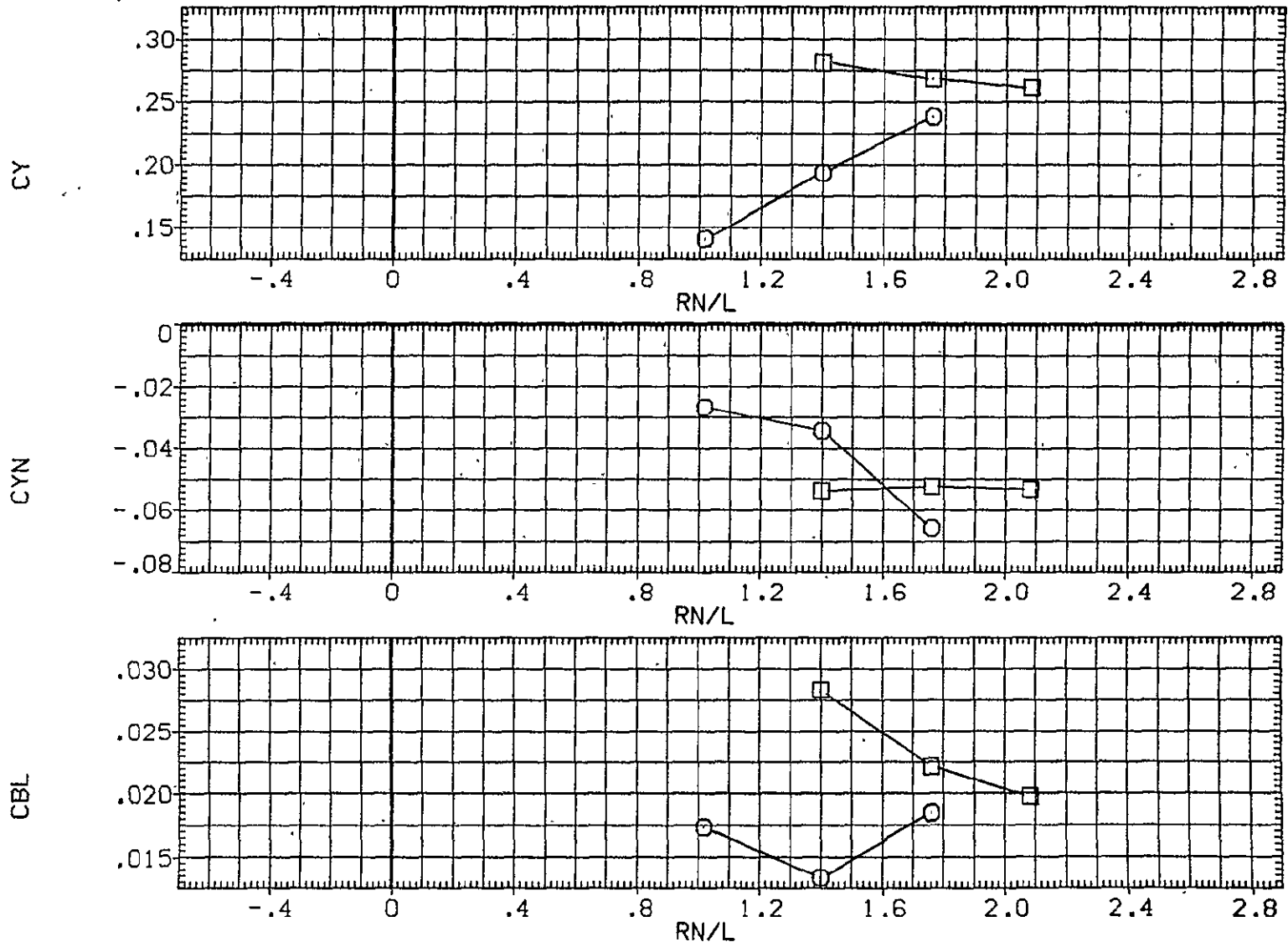
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0451) \square AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)
 (RTL444) \square AEDC VA-422(1A-S7), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 -10.000
 .000 -10.000 2.200

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XY
 YMRP .0000 IN.YY
 ZMRP 447.0000 IN.ZY
 SCALE .0100



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 2.2)

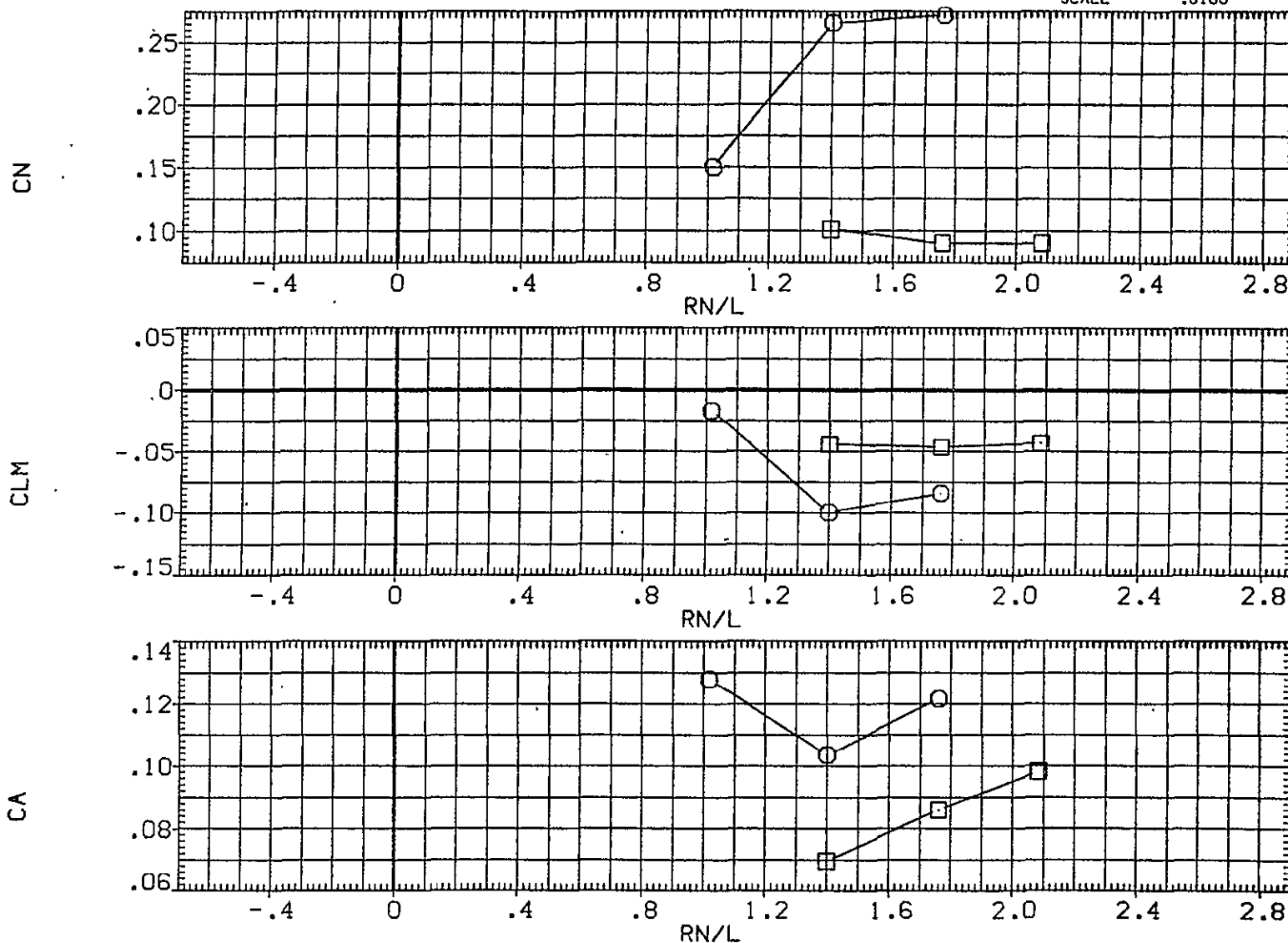
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RTQ551) ☐ AEDC VA422 (A61 01ET1S1 0/ET DATA (SRB SEPRNG)
 (RTL544) ☐ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 .000
 .000 .000 2.200



REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 2.2)

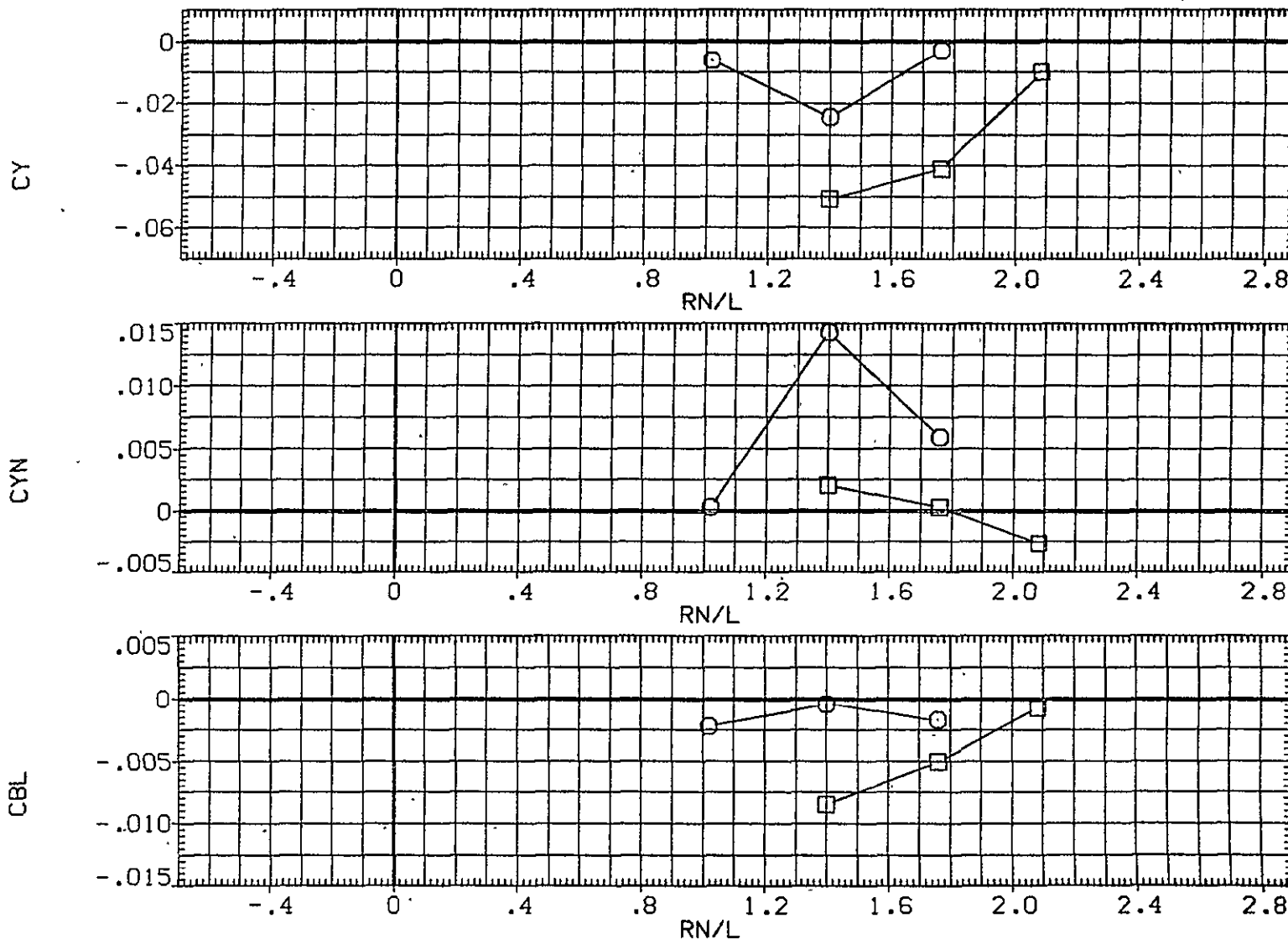
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0551)  AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRING)
 (RTL544)  AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 .000
 .000 .000 2.200

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100

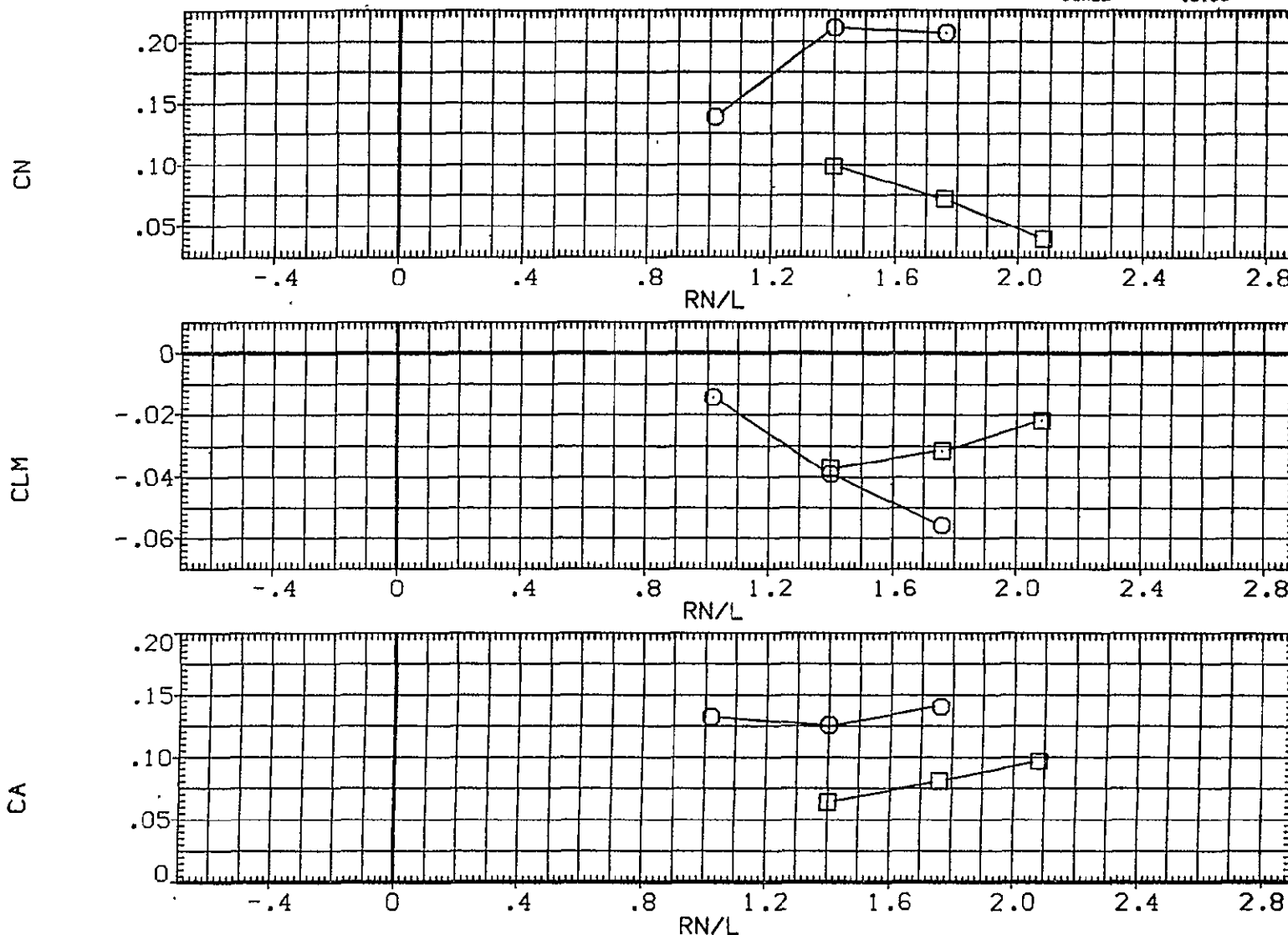


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 2.2)
 (A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RT0651) ○	AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)
(RTL644) □	AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB

ALPHA	BETA	SRBPOS
.000	10.000	
.000	10.000	2.200



REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	IN.
BREF	1290.3000	IN.
XMRP	1052.0000	IN.XT
YMRP	.0000	IN.YT
ZMRP	447.0000	IN.ZT
SCALE	.0100	



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON 0/ET AERO CHARACT(SRB POS 2.2)

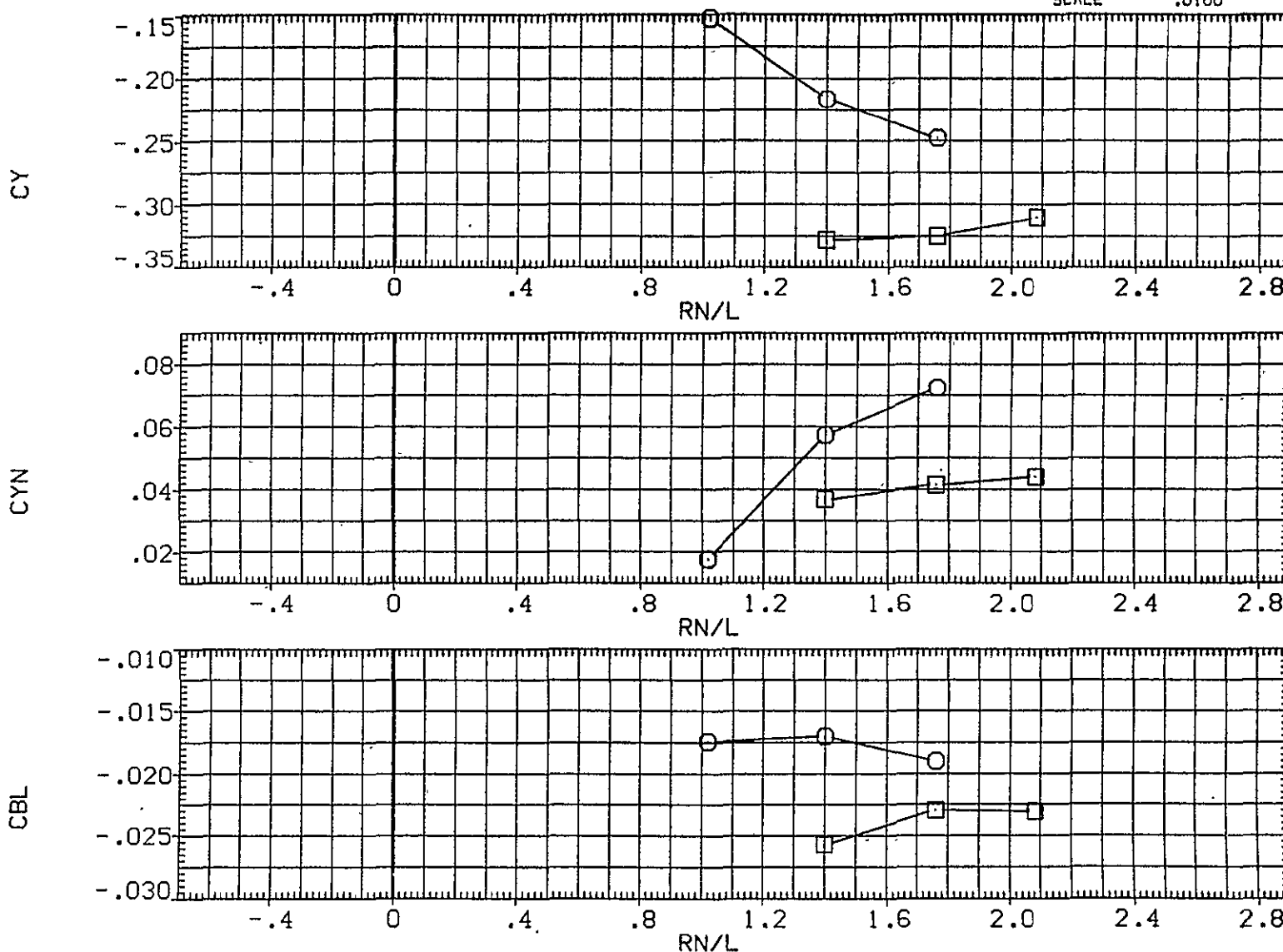
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0651)  AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)
 (RTL644)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 10.000
 .000 10.000 2.200

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100

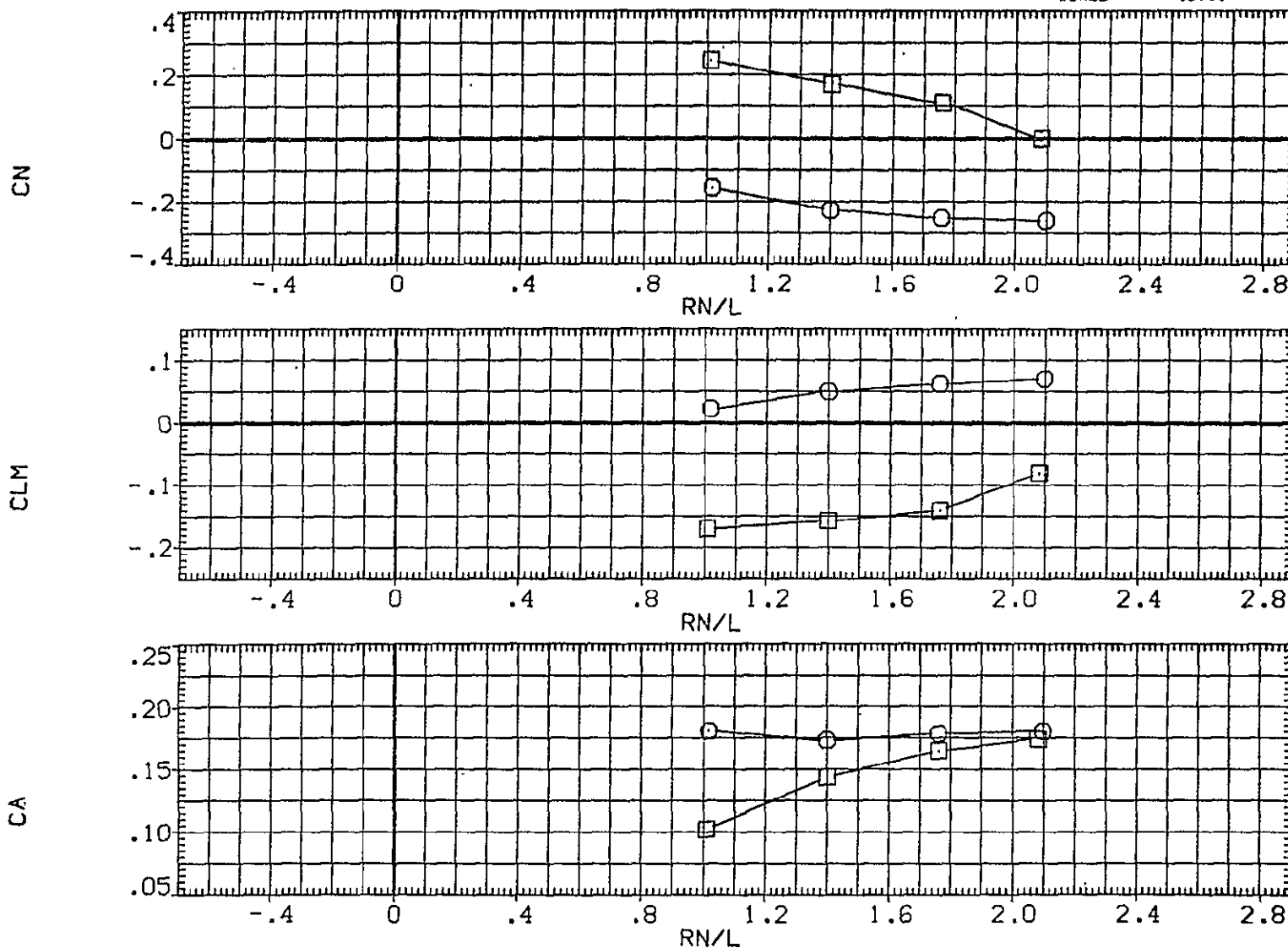


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 2.2)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	SRBPOS	REFERENCE INFORMATION
(RT0464)	□ AEDC VA422 IA61 01ET1S1 0/ET DATA (SRB SEPRING)	-10.000	.000	3.300	SREF 2690.0000 SQ.FT.
(RTL453)	○ AEDC VA-422(IA-57), ORB/ET W/BOTH SRB	-10.000	.000	3.300	LREF 1290.3000 IN.
					BREF 1290.3000 IN.
					XMRP 1052.0000 IN.XT
					YMRP .0000 IN.YT
					ZMRP 447.0000 IN.ZT
					SCALE .0100

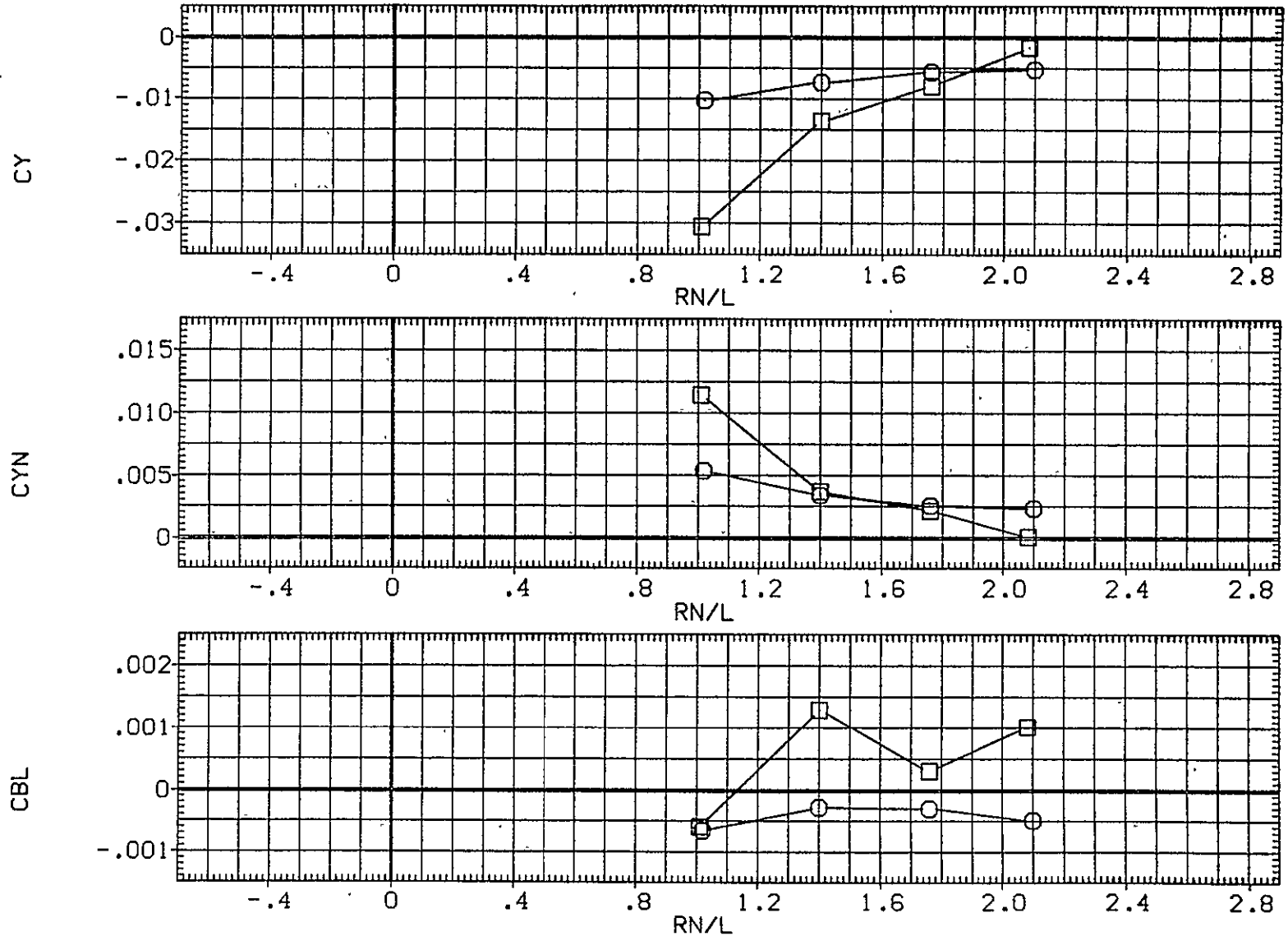


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON 0/ET AERO CHARACT(SRB POS 3.3)

(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	SRBPOS	REFERENCE INFORMATION
(RT0464)	AEDC VA422 (A61) O/ET IS1 O/ET DATA (SRB SEPRNG)	-10.000	.000	3.300	SREF 2690.0000 SQ.FT.
(RTL453)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	-10.000	.000	3.300	LREF 1290.3000 IN.
					BREF 1290.3000 IN.
					XMRP 1052.0000 IN.XT
					YMRP .0000 IN.YT
					ZMRP 447.0000 IN.ZT
					SCALE .0100

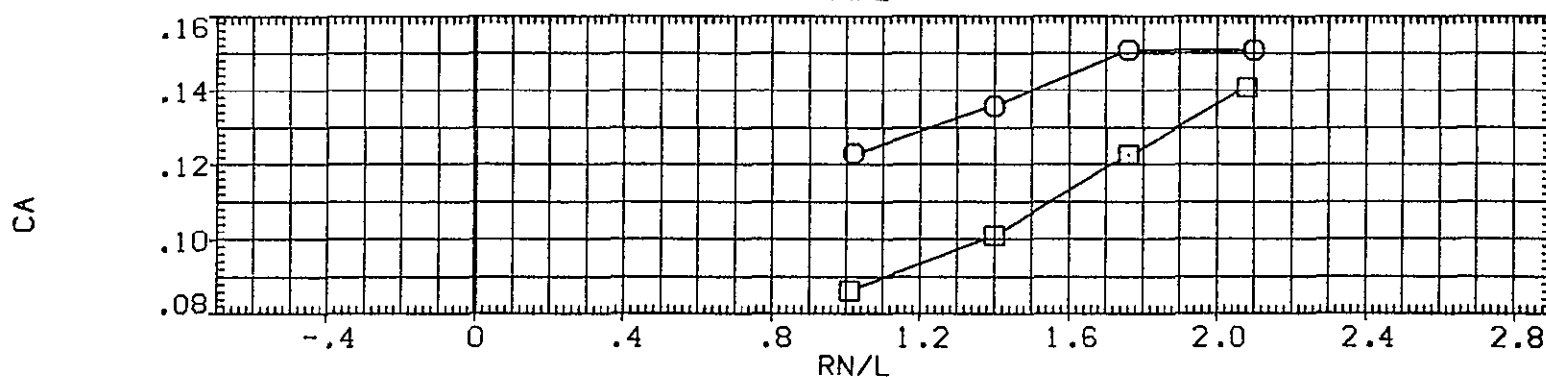
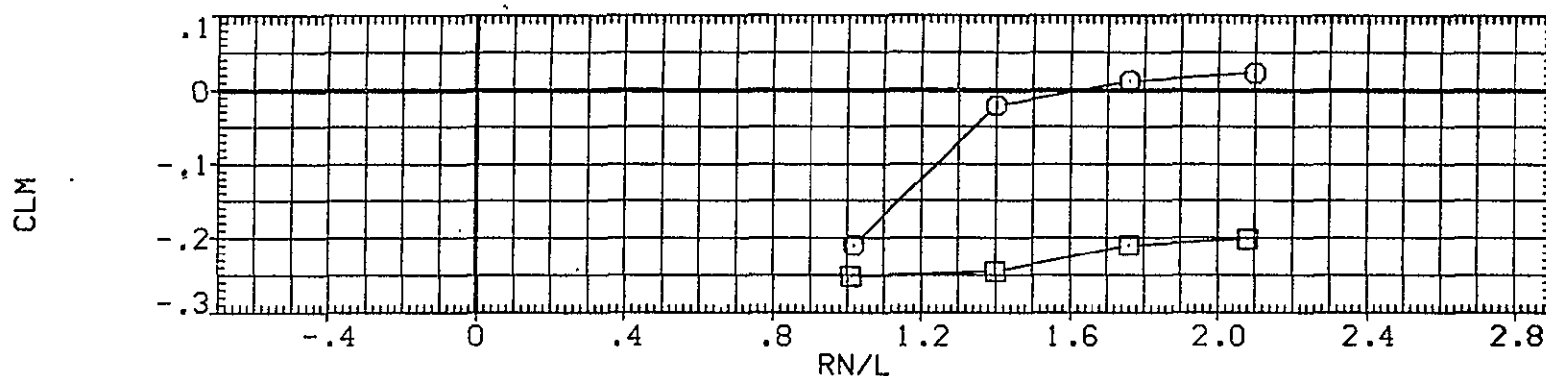
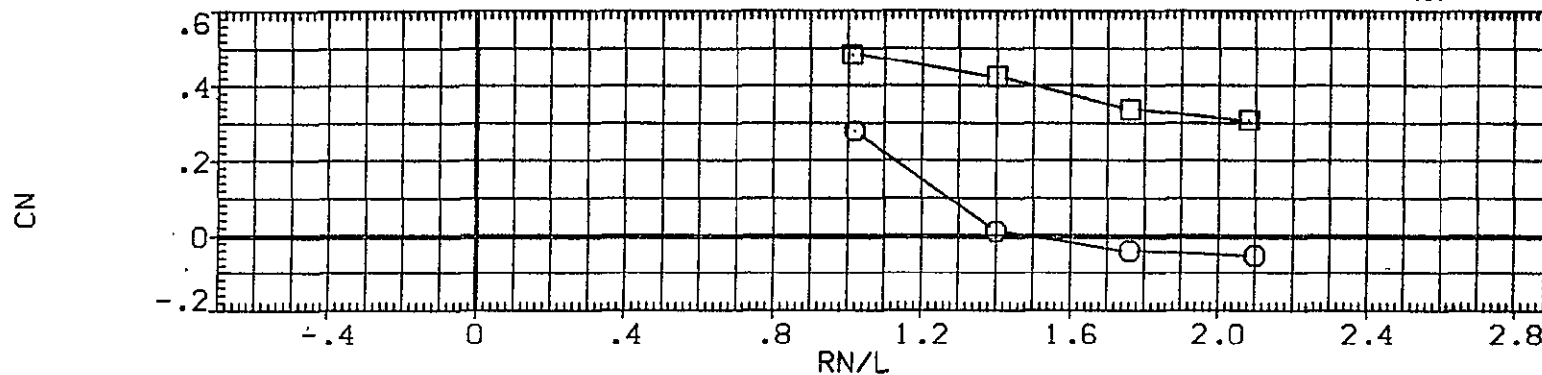


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 3.3)
 (A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(RT0564)	○ AEDC VA422 IA61 01ET1S1 O/ET DATA (SRB SEPRNG)
(RTL553)	□ AEDC VA-422(IA-57), ORB/ET W/BOTH SRB

ALPHA	BETA	SRBPOS
.000	.000	3.300
.000	.000	3.300

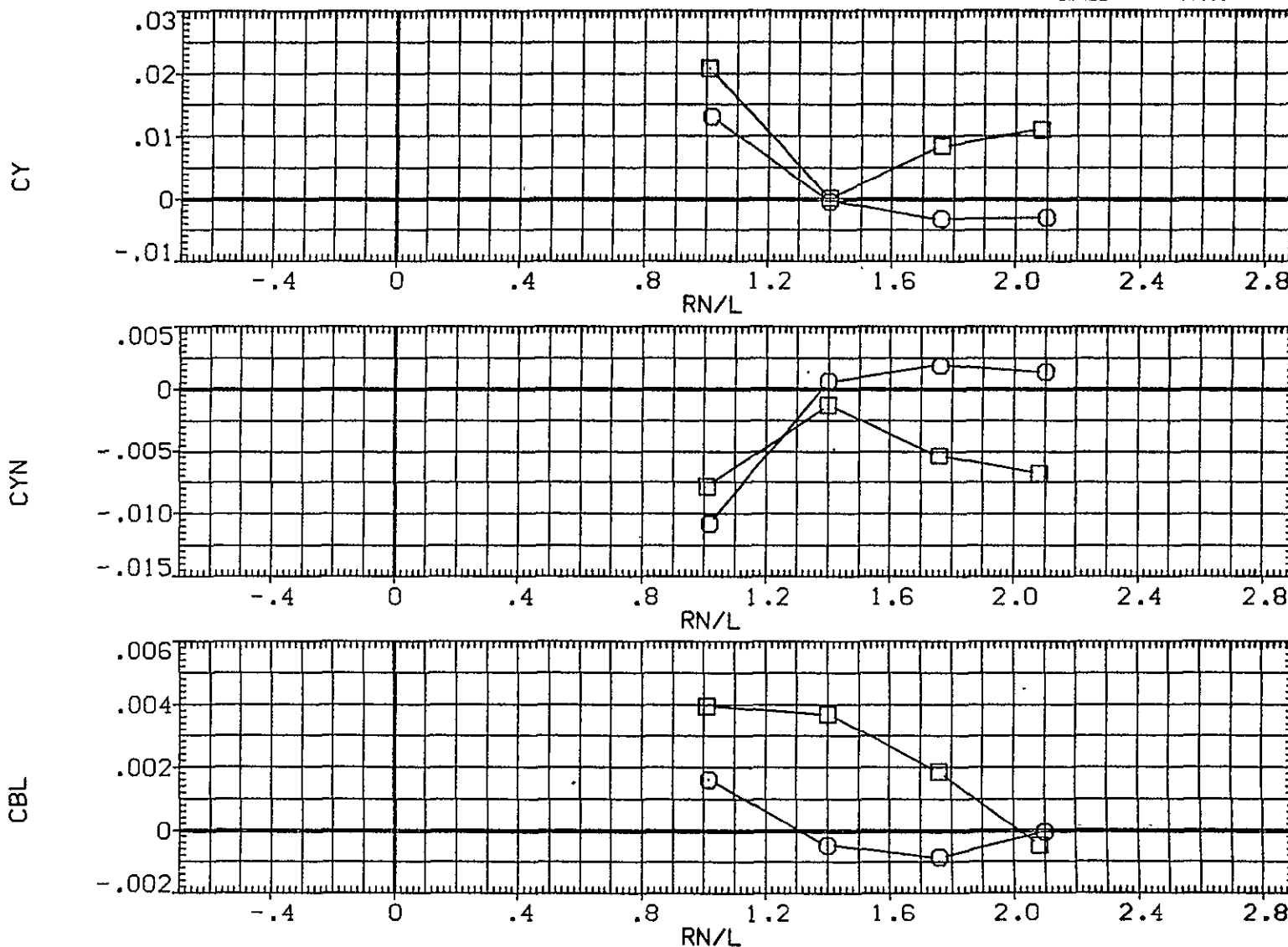
REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	1290.3000	IN.
BREF	1290.3000	IN.
XMRP	1052.0000	IN.XT
YMRP	.0000	IN.YT
ZMRP	447.0000	IN.ZT
SCALE	.0100	



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0564) \square AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)
 (RTL553) \square AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 .000 3.300
 .000 .000 3.300

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100

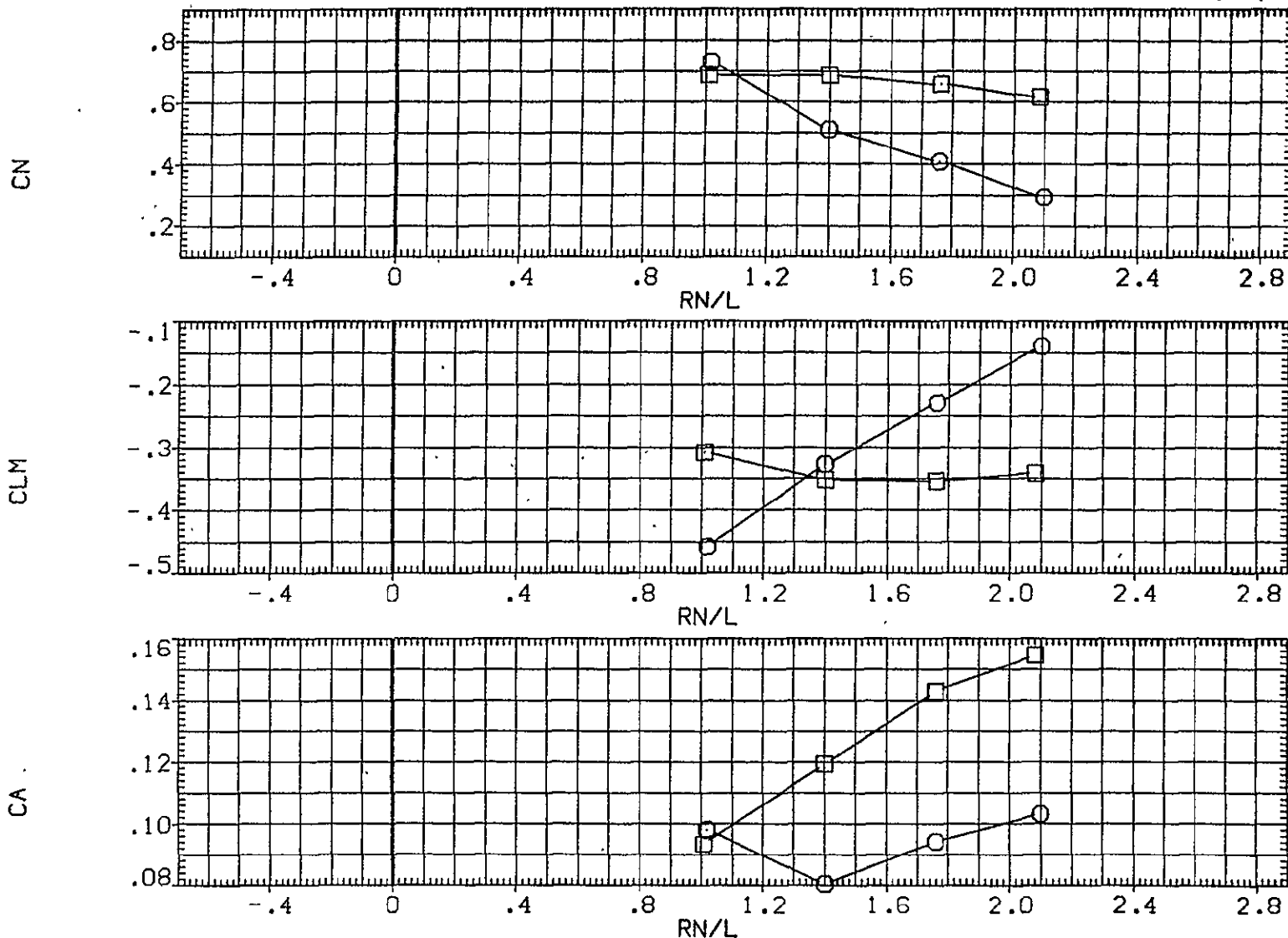


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 3.3)
 (A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RTQ664) ○ AEDC VA422 (A6) 01ET1S1 O/ET DATA (SRB SEPRNG)
 (RTL653) □ AEDC VA-422 (A-57), ORB/ET W/80TH SRB

ALPHA BETA SRBPOS
 10.000 .000 3.300
 10.000 .000 3.300

REFERENCE INFORMATION
 SREF 2690.0000 SO.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100

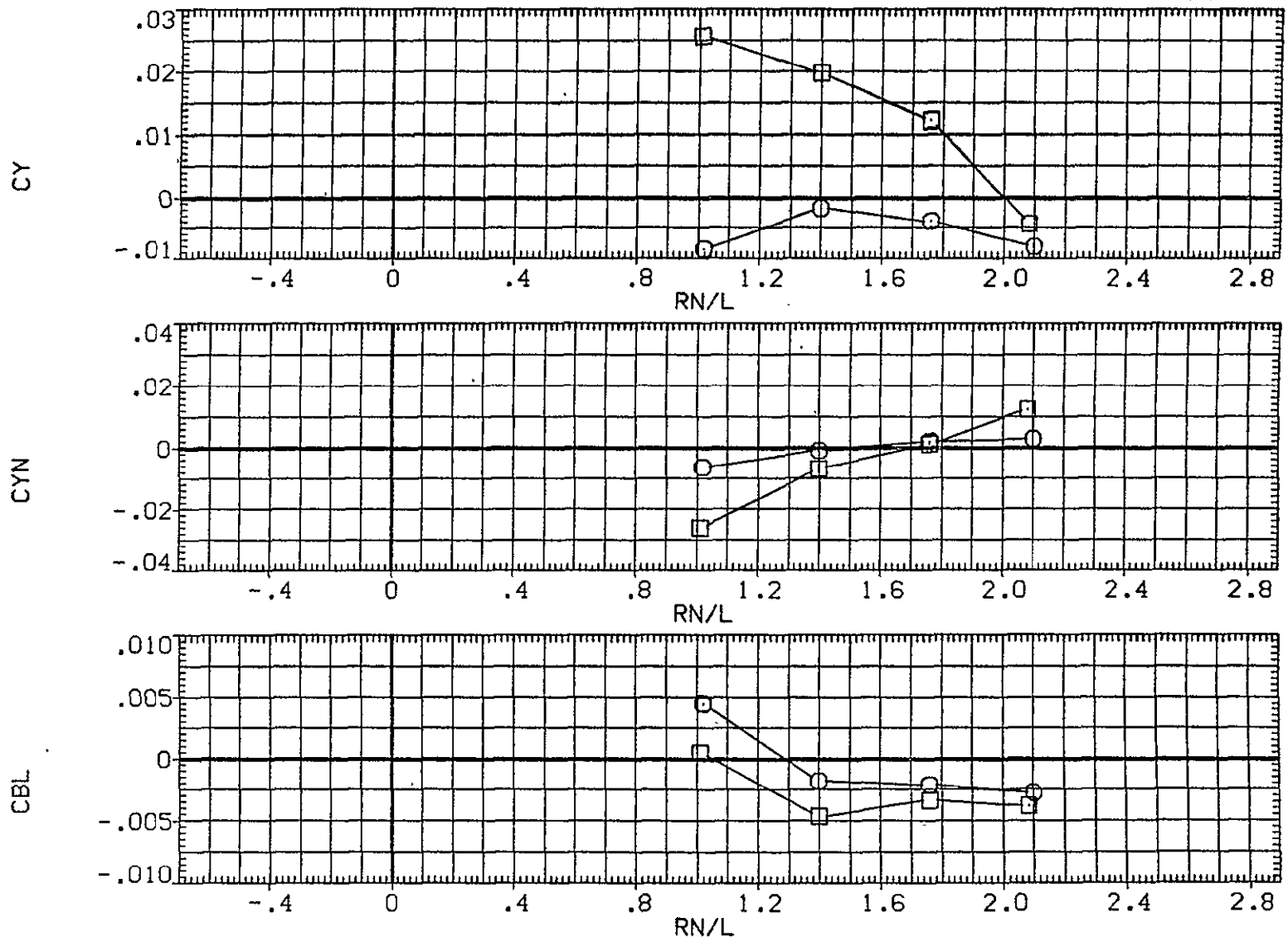


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 3.3)

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0664) □ AEDC VA422 (A61 01ET1S1) 0/ET DATA (SRB SEPRNG)
 (RTL653) □ AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 10.000 .000 3.300
 10.000 .000 3.300

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XY
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100

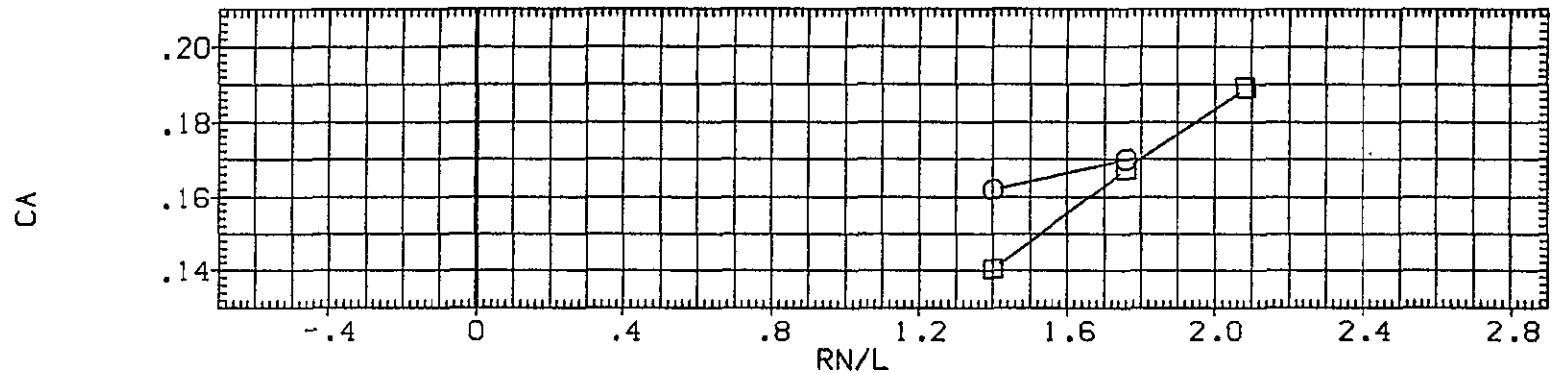
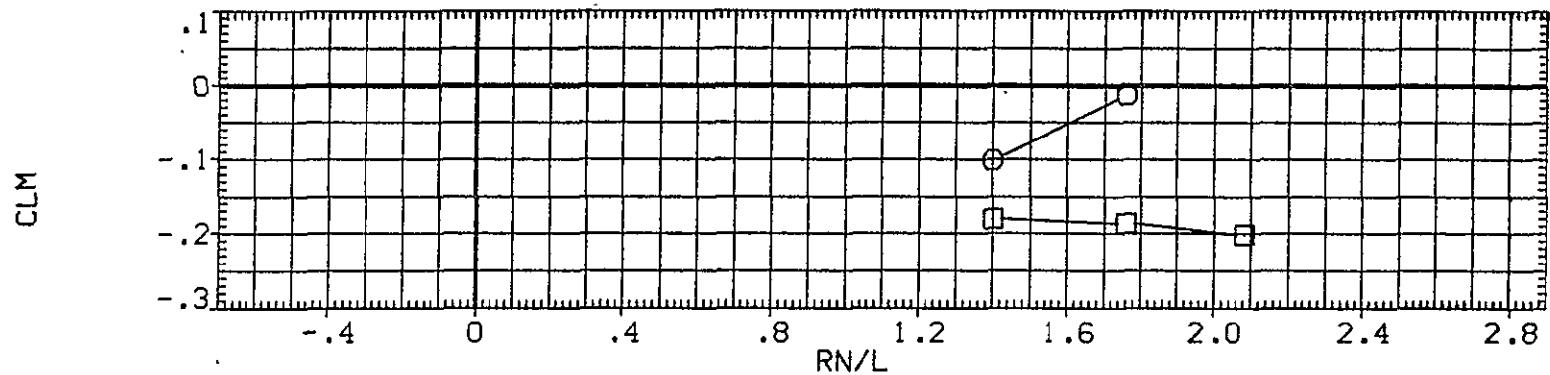
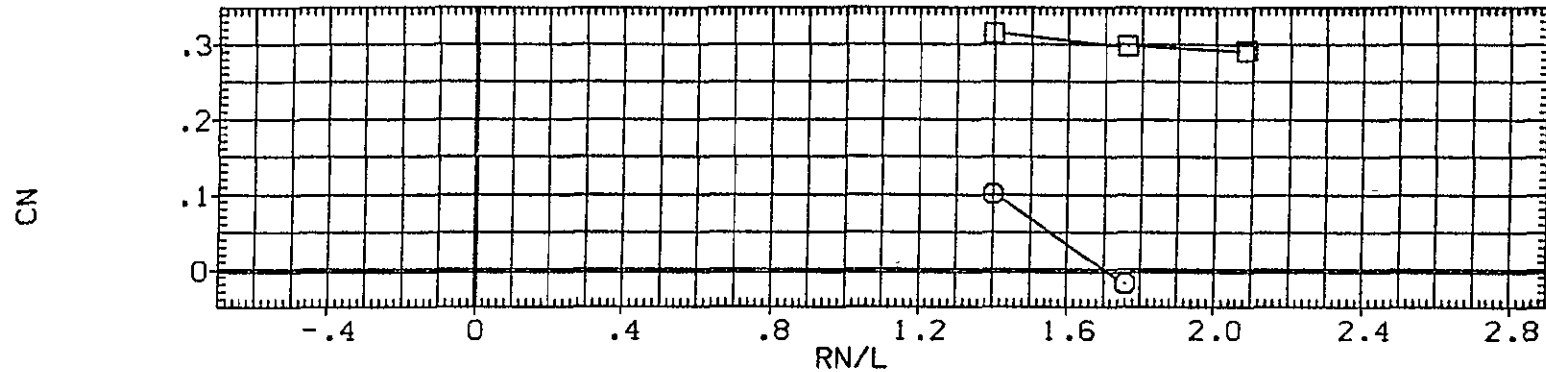


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 3.3)
 (A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0467) ☐ AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)
 (RTL455) ☐ AEDC VA-422(1A-57). ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 -10.000 3.300
 .000 -10.000 3.300



REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 3.3)

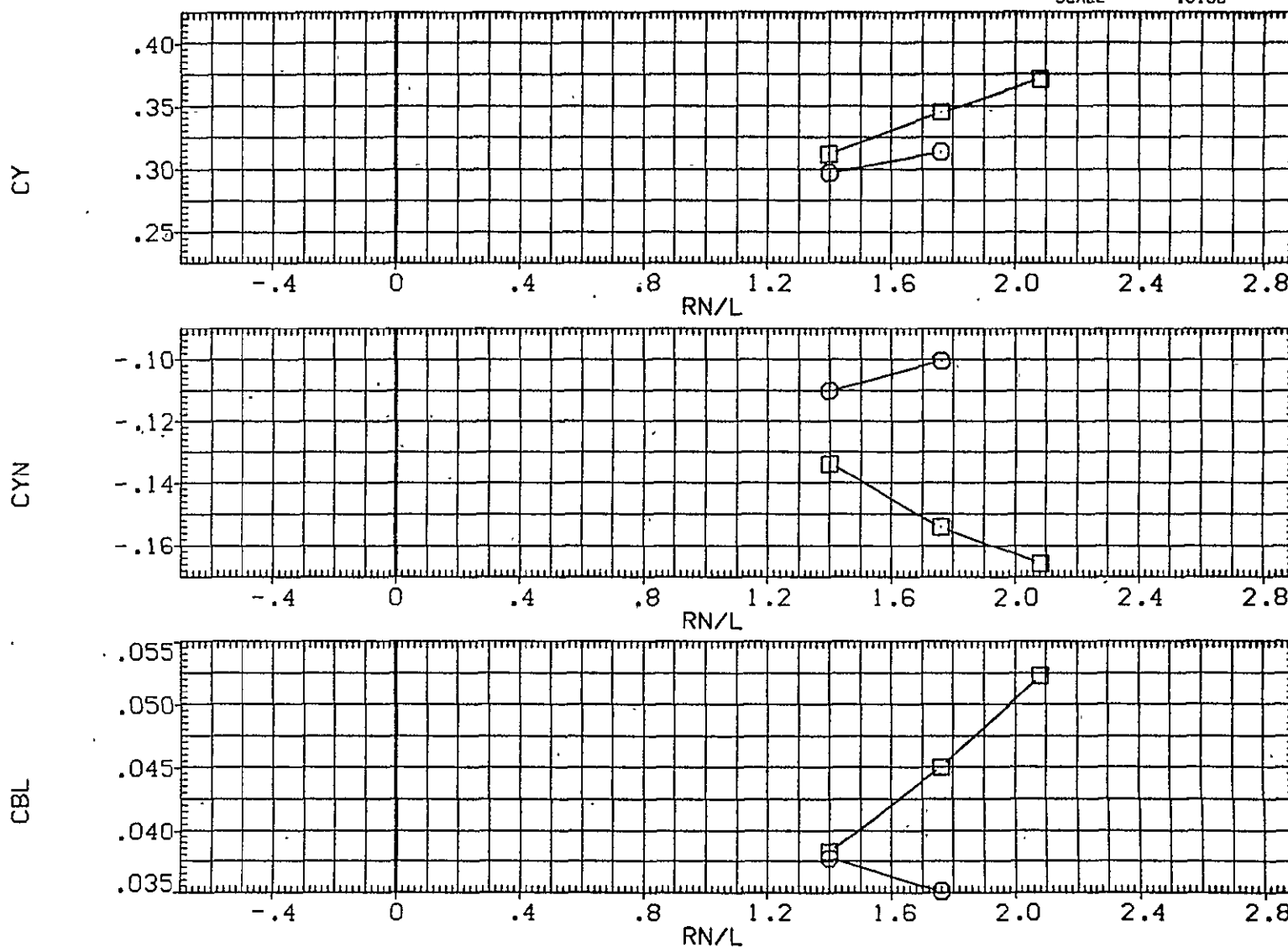
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0467)  AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRTING)
 (RTL455)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

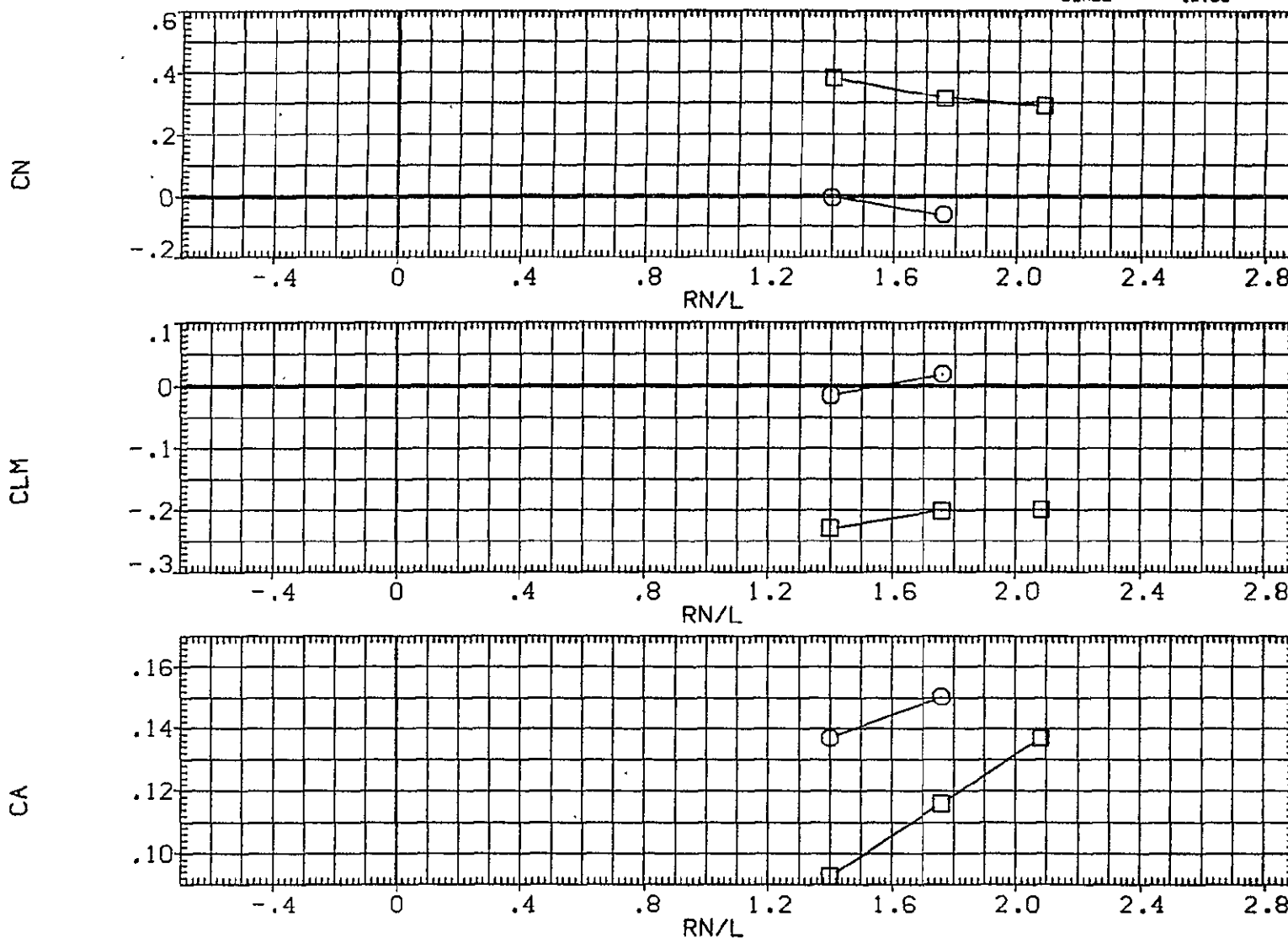
ALPHA BETA SRBPOS
 .000 -10.000 3.300
 .000 -10.000 3.300

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 3.3)
 (A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	SRBPOS	REFERENCE INFORMATION
(RTQ567) ○	AEDC VA422 1A61 0/ET DATA (SRB SEPRNG)	.000	.000	3.300	SREF 2690.0000 SQ.FT.
(RTL555) □	AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB	.000	.000	3.300	LREF 1290.3000 IN.
					BREF 1290.3000 IN.
					XMRP 1052.0000 IN.XT
					YMRP .0000 IN.YT
					ZMRP 447.0000 IN.ZT
					SCALE .0100

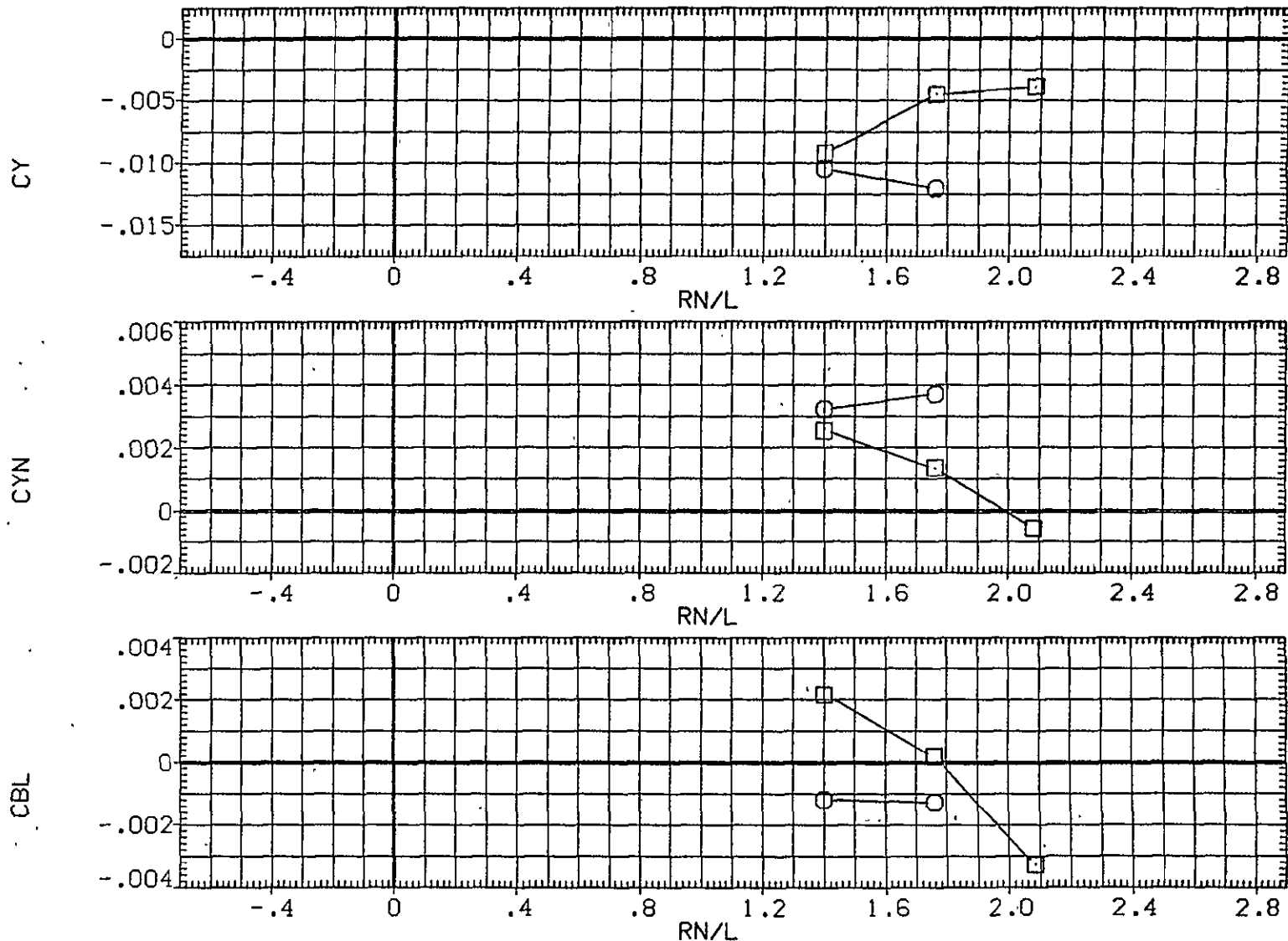


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 3.3)
 (A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R1Q567) \square AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRING)
 (RTL555) \square AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

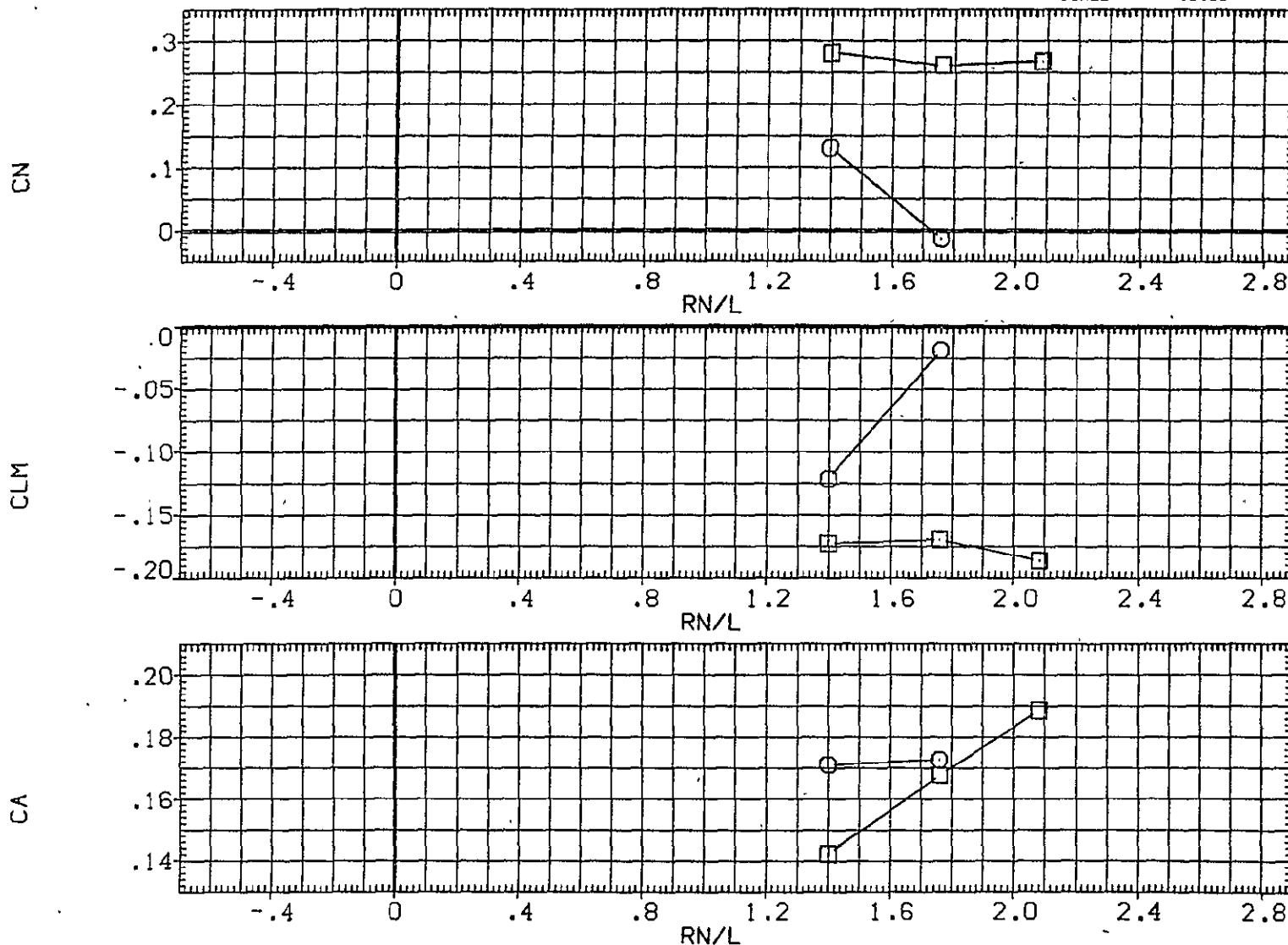
ALPHA BETA SRBPOS
 .000 .000 3.300
 .000 .000 3.300

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 3.3)
 (A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	SRBPOS	REFERENCE INFORMATION	
(RT0667) ○	AEOC VA422 (A61 01ET1S1) O/ET DATA (SRB SEPRING)	.000	10.000	3.300	SREF	2690.0000 SQ.FT.
(RTL655) □	AEOC VA-422(1A-57), ORB/ET W/BOTH SRB	.000	10.000	3.300	LREF	1290.3000 IN.
					BREF	1290.3000 IN.
					XMRP	1052.0000 IN.XT
					YMRP	.0000 IN.YT
					ZMRP	447.0000 IN.ZT
					SCALE	.0100

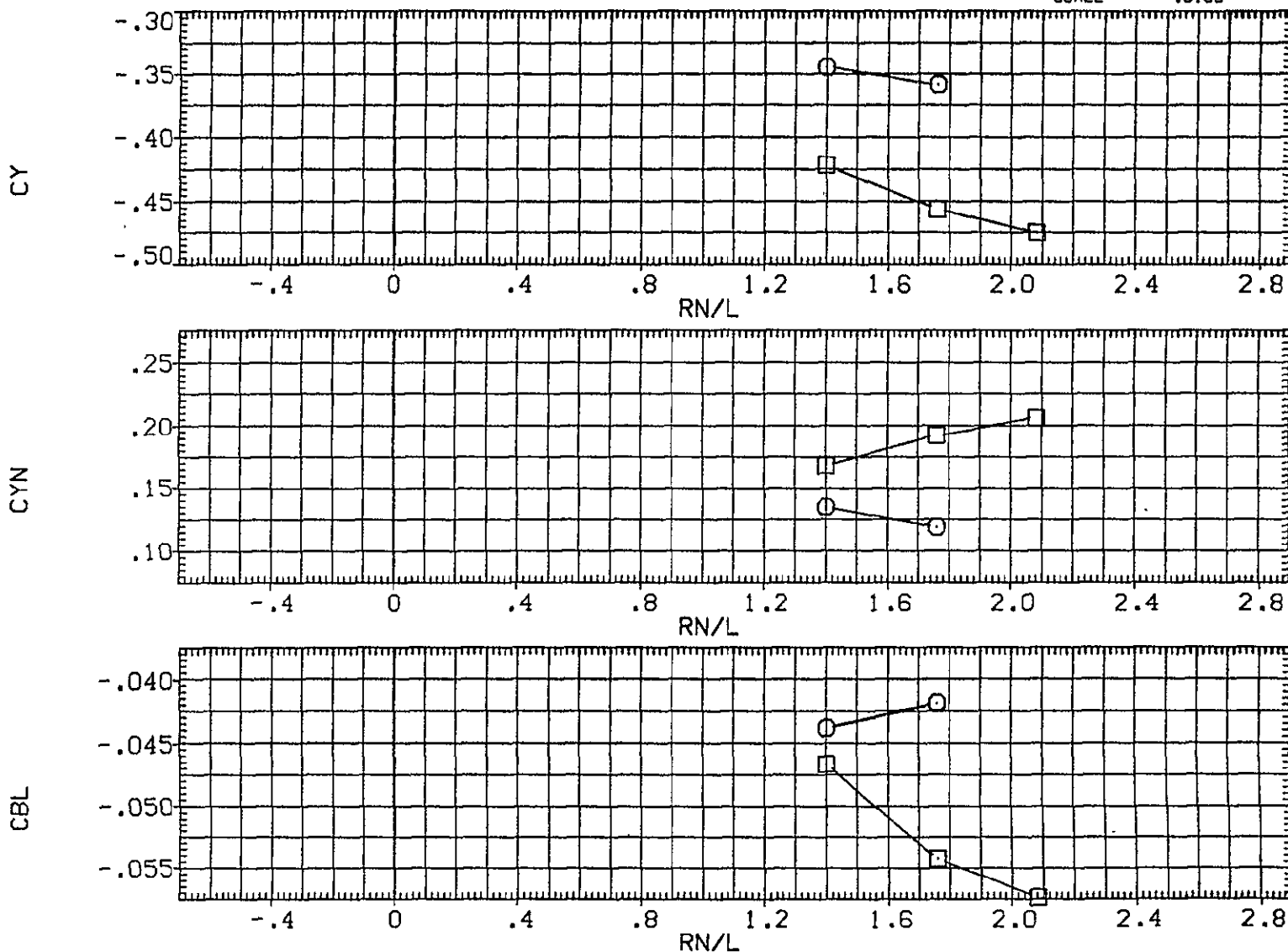


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 3.3)
 (A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RT0667) ☐ AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)
 (RTL655) ☐ AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB

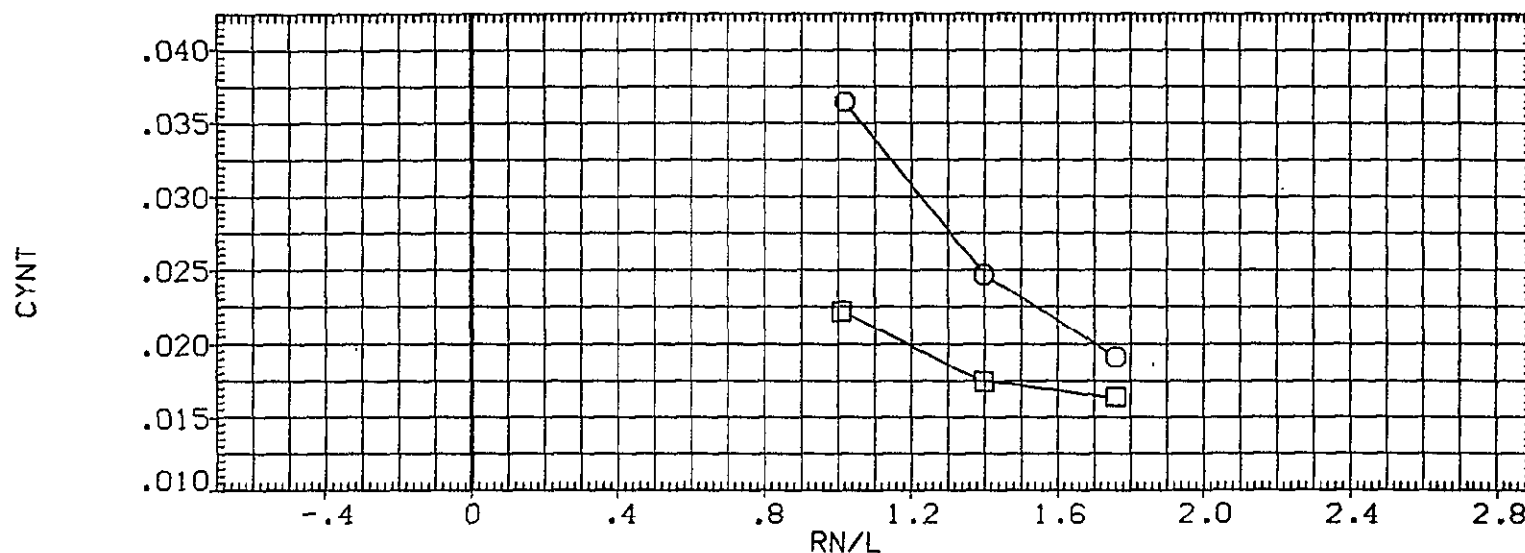
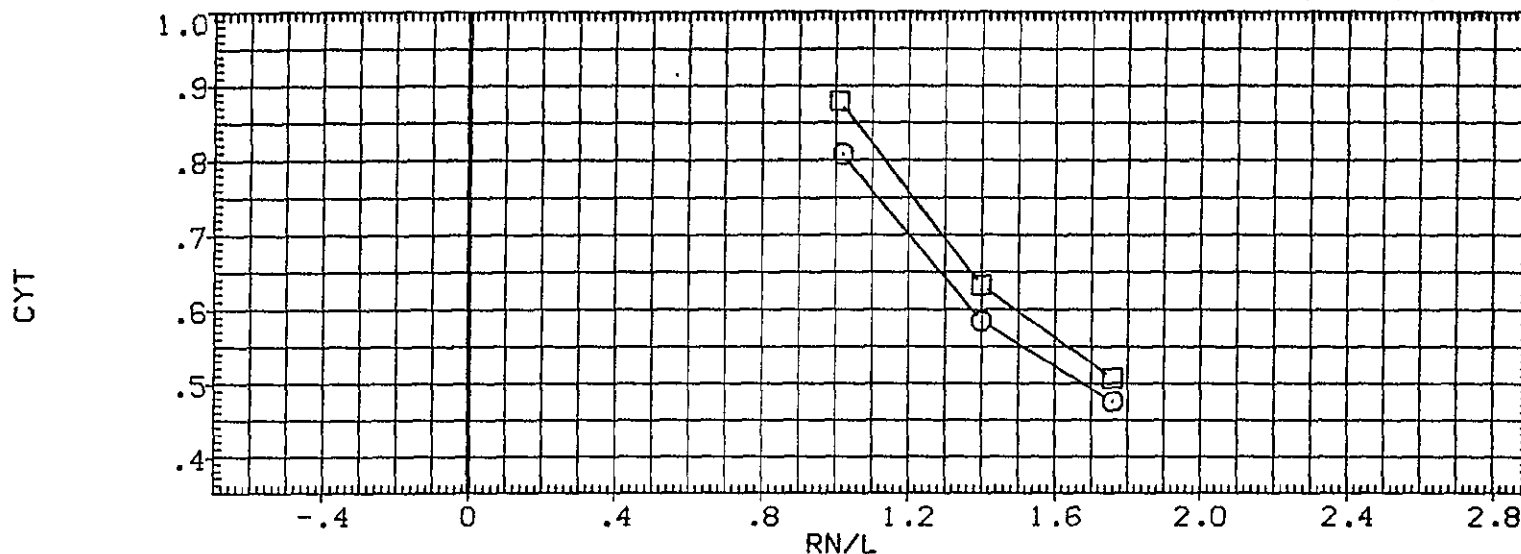
ALPHA BETA SRBPOS
 .000 10.000 3.300
 .000 10.000 3.300

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1052.0000 IN.XT
 YMRP .0000 IN.YT
 ZMRP 447.0000 IN.ZT
 SCALE .0100



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON O/ET AERO CHARACT(SRB POS 3.3)
 (A)MACH = 4.50



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	SRBPOS	REFERENCE INFORMATION
(STQ430)	□ AEDC VA422 IAGI 01ET151 SRB DATA (O/ET SEPRNG)	-10.000	.000	1.100	SREF 2690.0000 SQ.FT.
(STL431)	□ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	-10.000	.000	1.100	LREF 1290.3000 IN.
					BREF 1290.3000 IN.
					XMRP 1167.0000 IN.XS
					YMRP .0000 IN.YS
					ZMRP 400.0000 IN.ZS
					SCALE .0100



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 1.1)

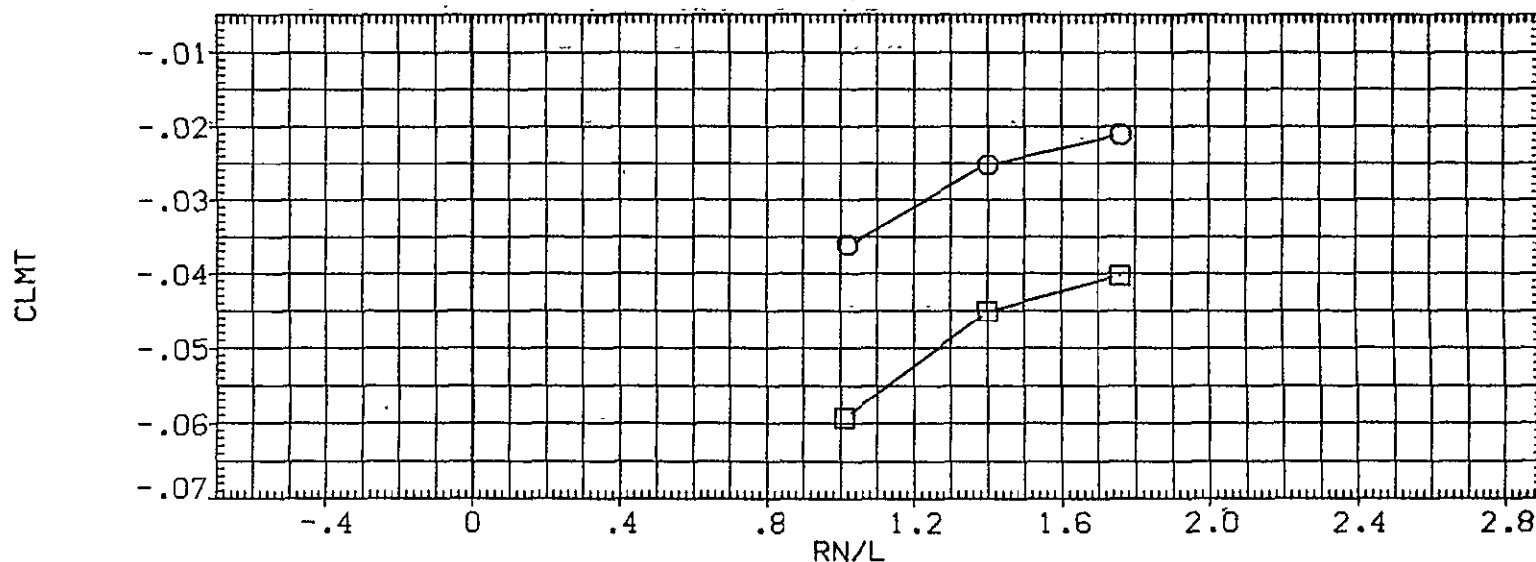
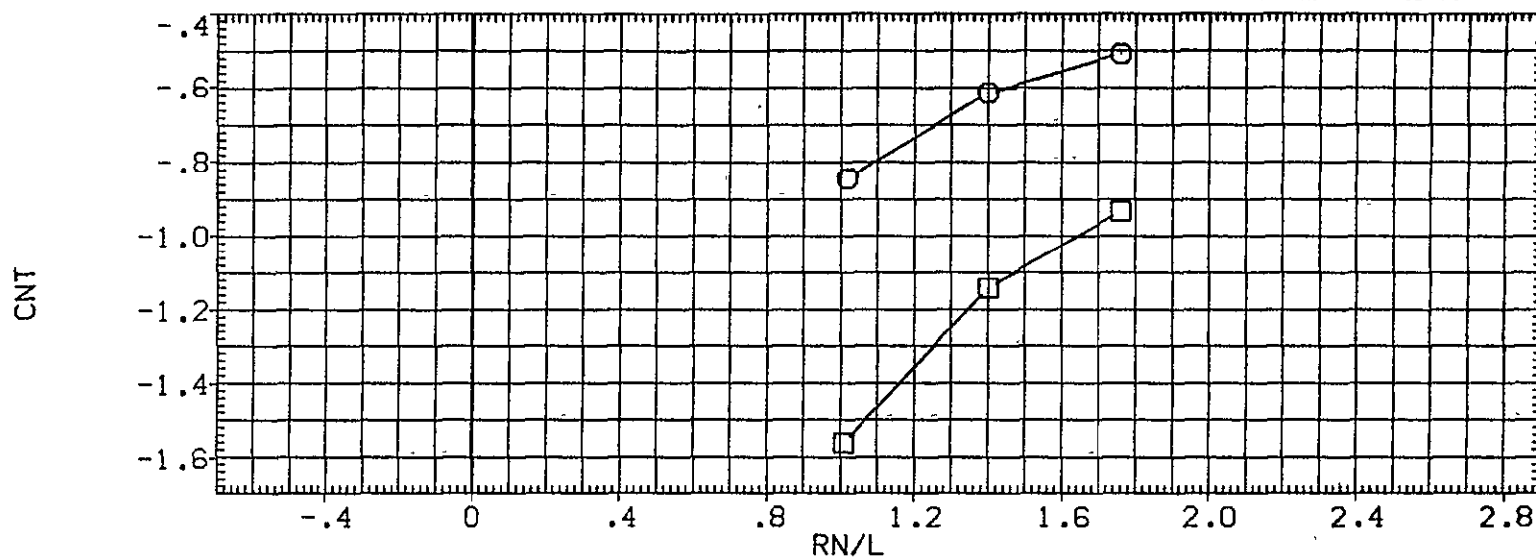
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0430)  AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTING)
 (STL431)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 -10.000 .000 1.100
 -10.000 .000 1.100

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100

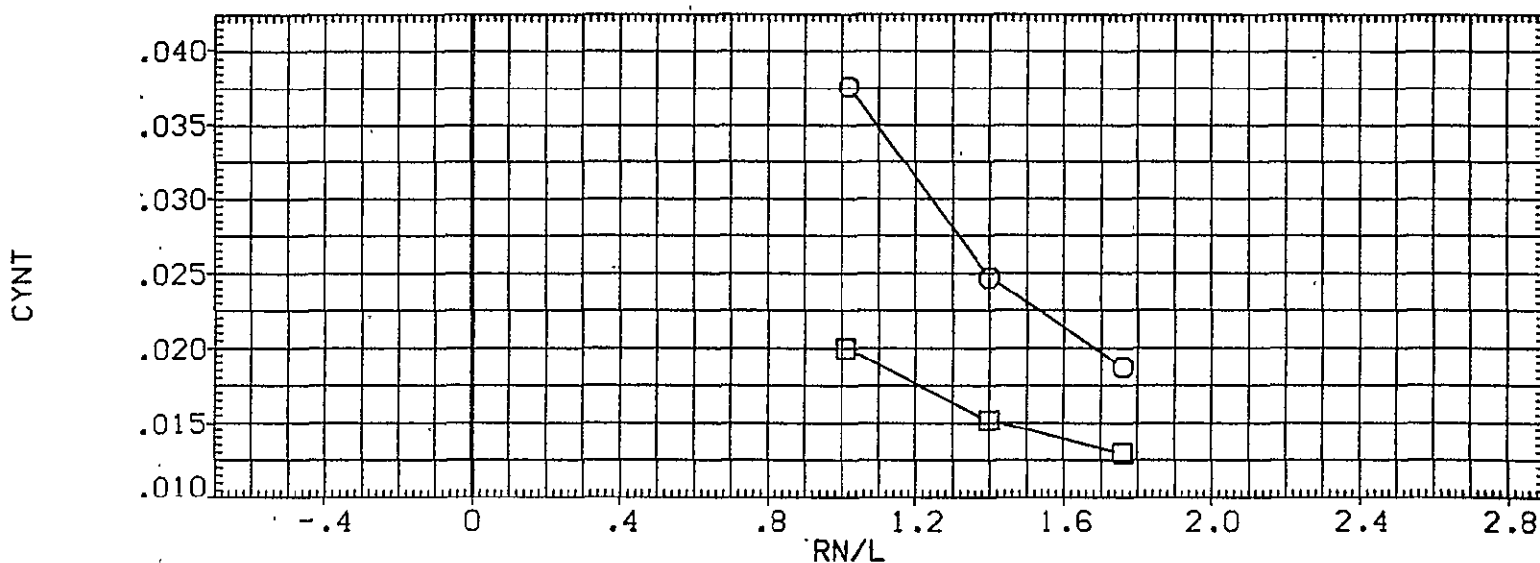
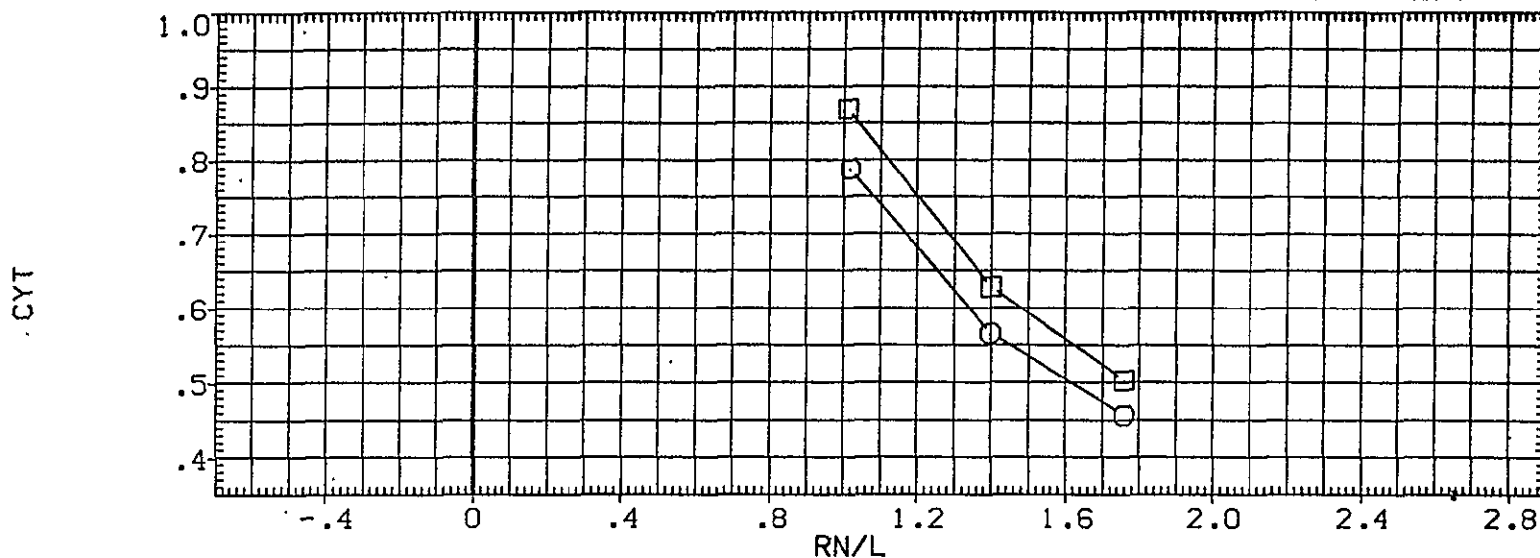


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 1.1)
 (A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ST0530)	○ AEDC VA422 (A61 01ET1S1 SRB DATA (O/ET SEPRNG))
(STL531)	□ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA	BETA	SRBP05
.000	.000	1.100
.000	.000	1.100



REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	1290.3000	IN.
BREF	1290.3000	IN.
XMRP	1167.0000	IN.XS
YMRP	.0000	IN.YS
ZMRP	400.0000	IN.ZS
SCALE	.0100	



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 1.1)

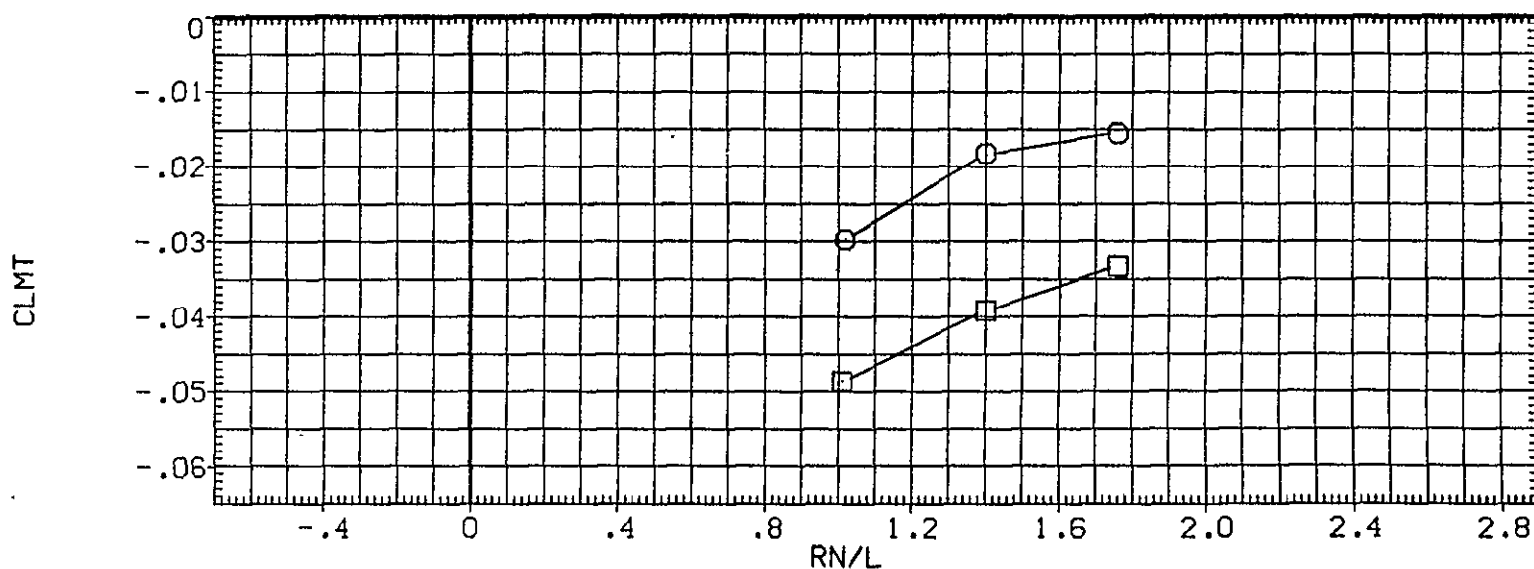
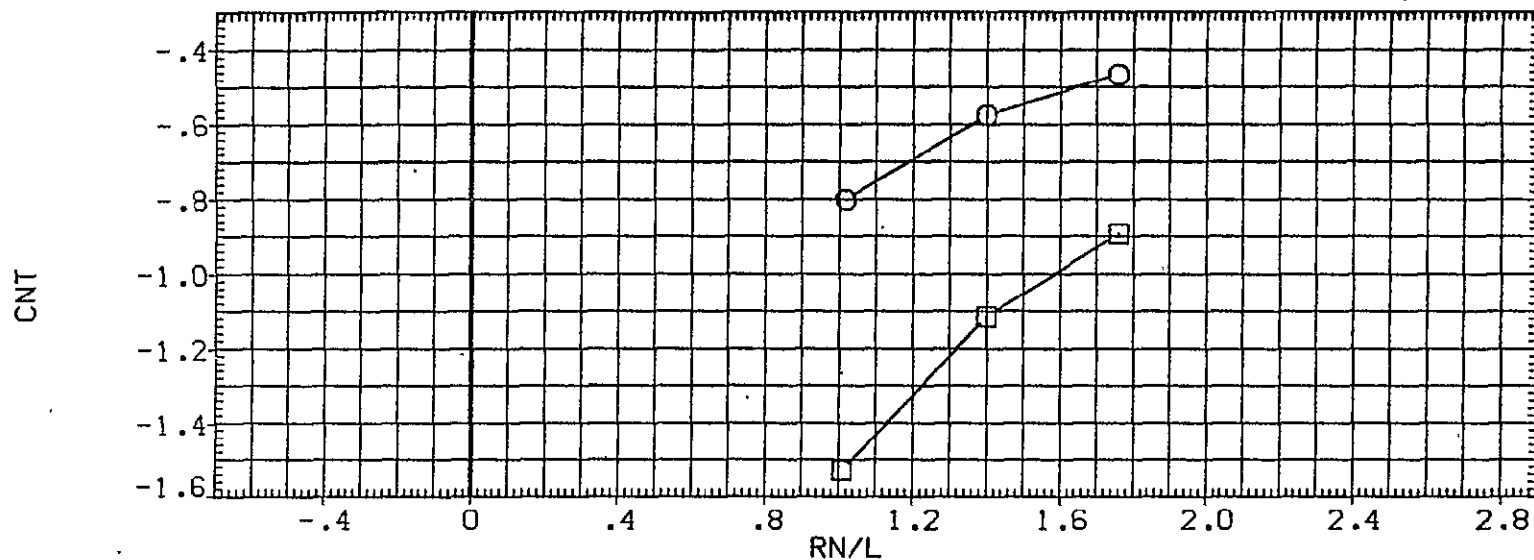
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ530)  AEDC VA422 (A61 01ET) SRB DATA (O/ET SEPRNG)
 (STL531)  AEDC VA-422 (A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 .000 1.100
 .000 .000 1.100

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100

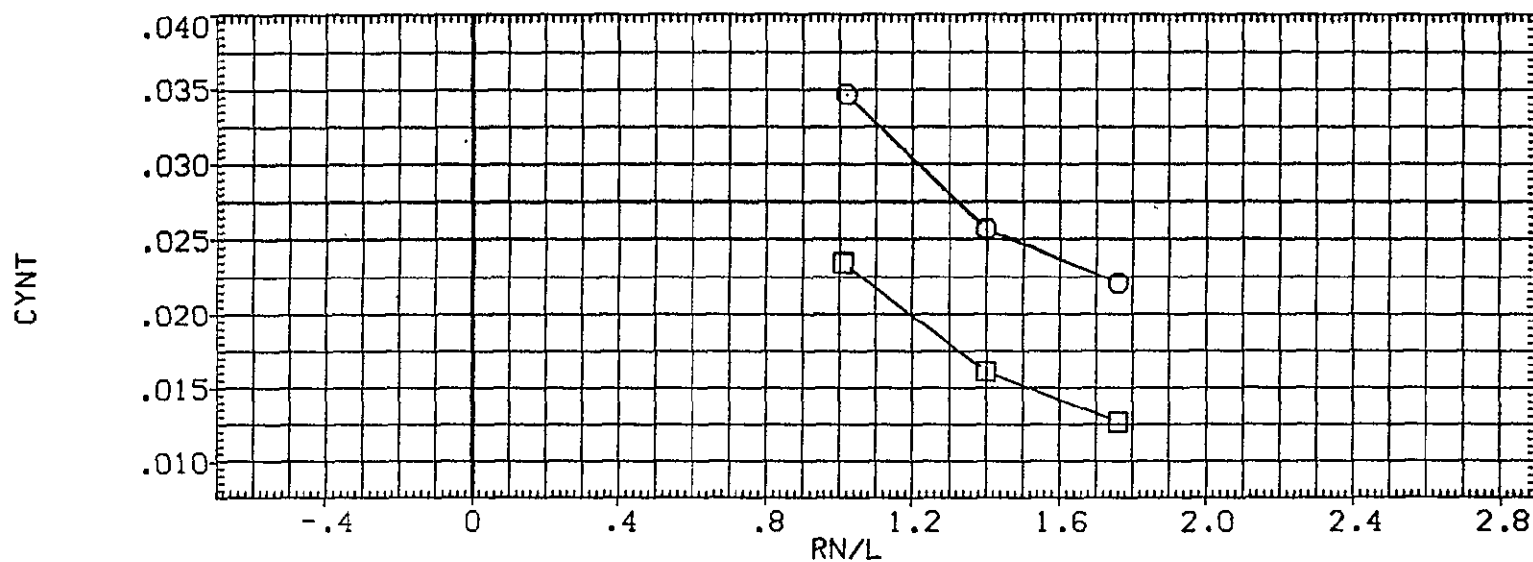
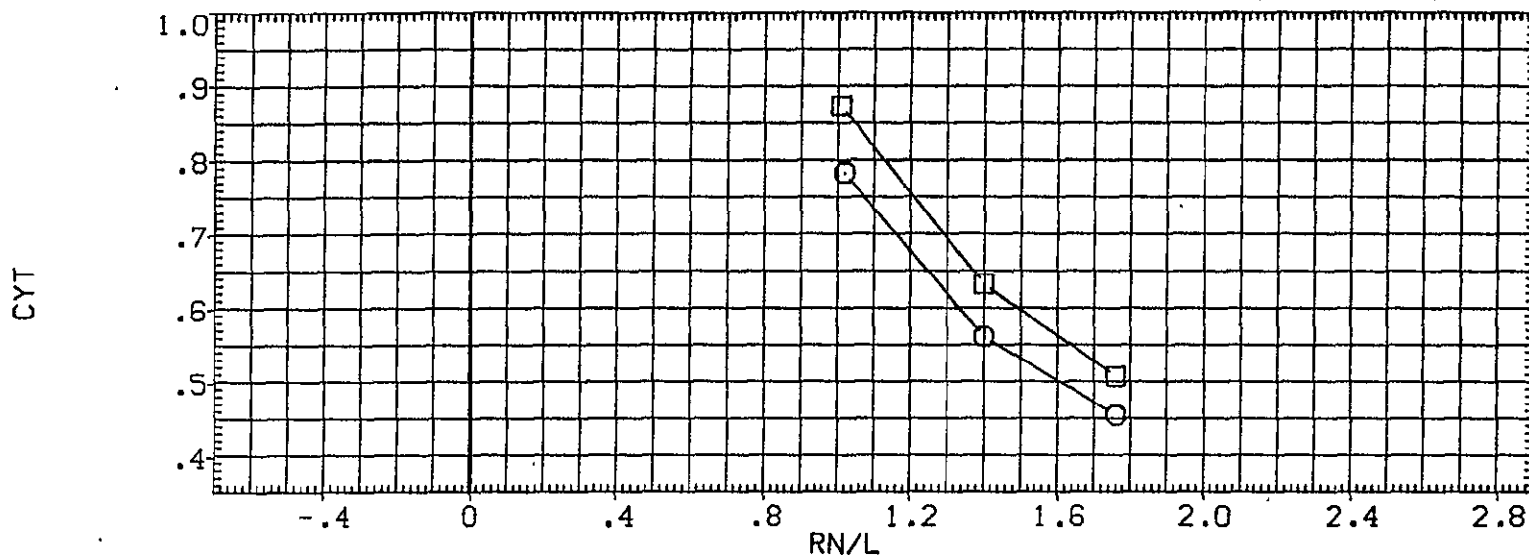


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 1.1)
 (A)MACH = 4.50



DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(STQ630)	AEBC VA422 (A61 01ETIS1 SRB DATA (0/ET SEPRING))
(STL631)	AEBC VA-422(1A-57). 0RB/ET W/BOTH SRB

ALPHA	BETA	SRBPOS
10.000	.000	1.100
10.000	.000	1.100

REFERENCE INFORMATION		
SREF	2690.0000	SO.FT.
LREF	1290.3000	IN.
BREF	1290.3000	IN.
XMRP	1167.0000	IN.XS
YMRP	.0000	IN.YS
ZMRP	400.0000	IN.ZS
SCALE	.0100	

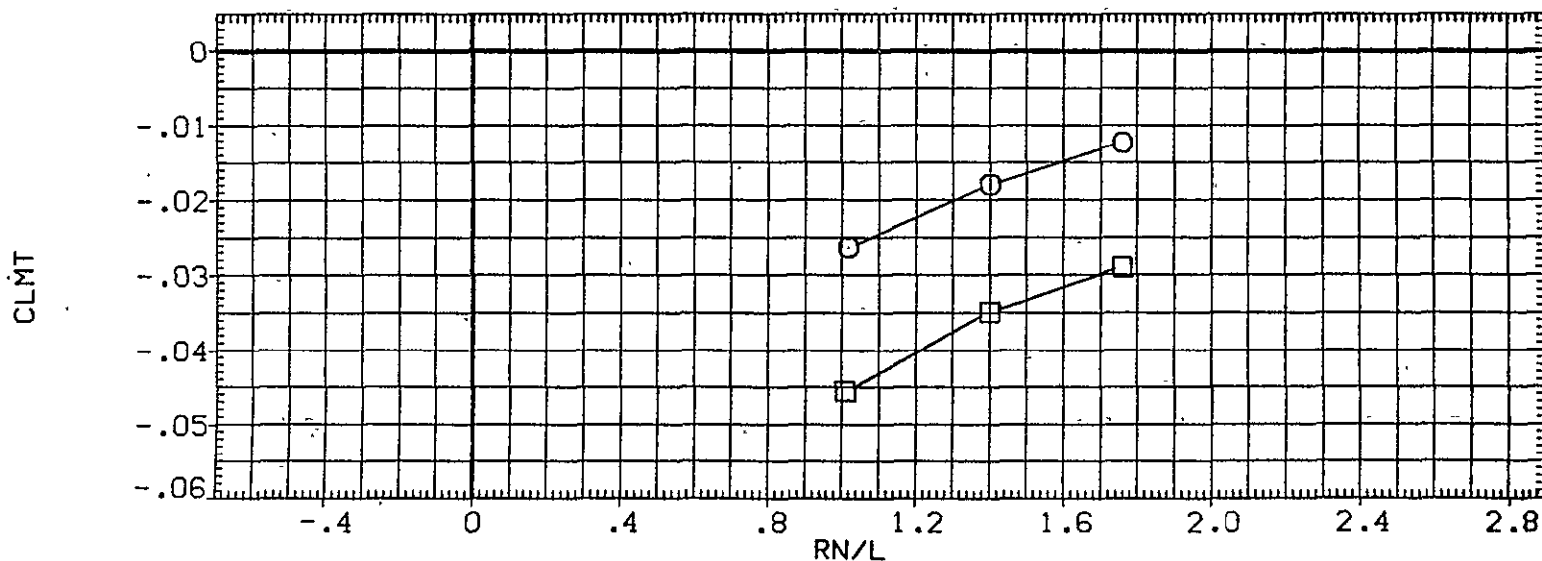
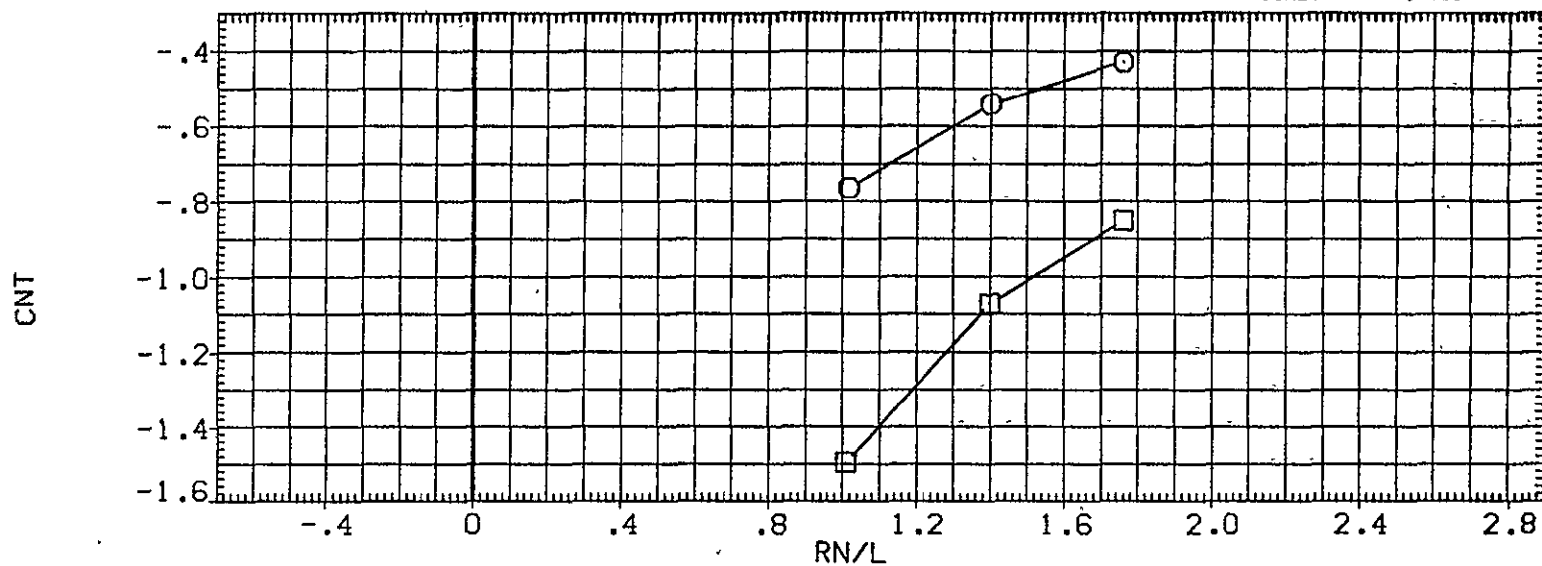


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 1.1)
 (A)MACH = 4.50



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0630)  AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)
 (STL631)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 10.000 .000 1.100
 10.000 .000 1.100

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100

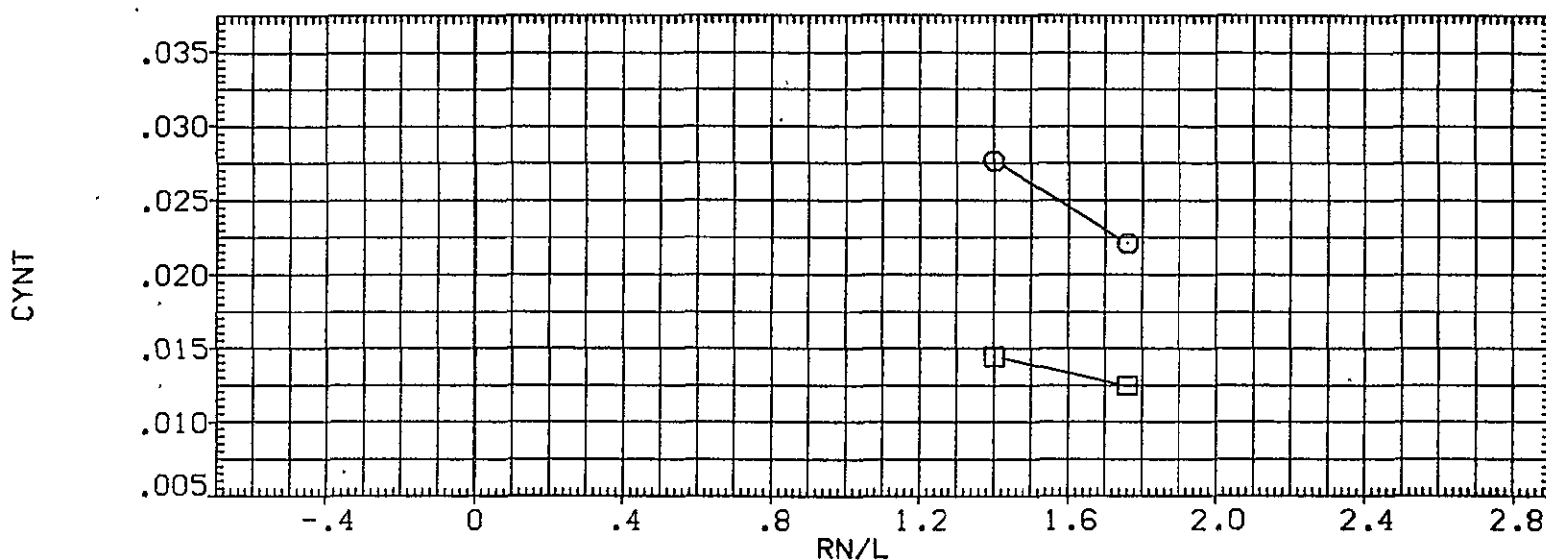
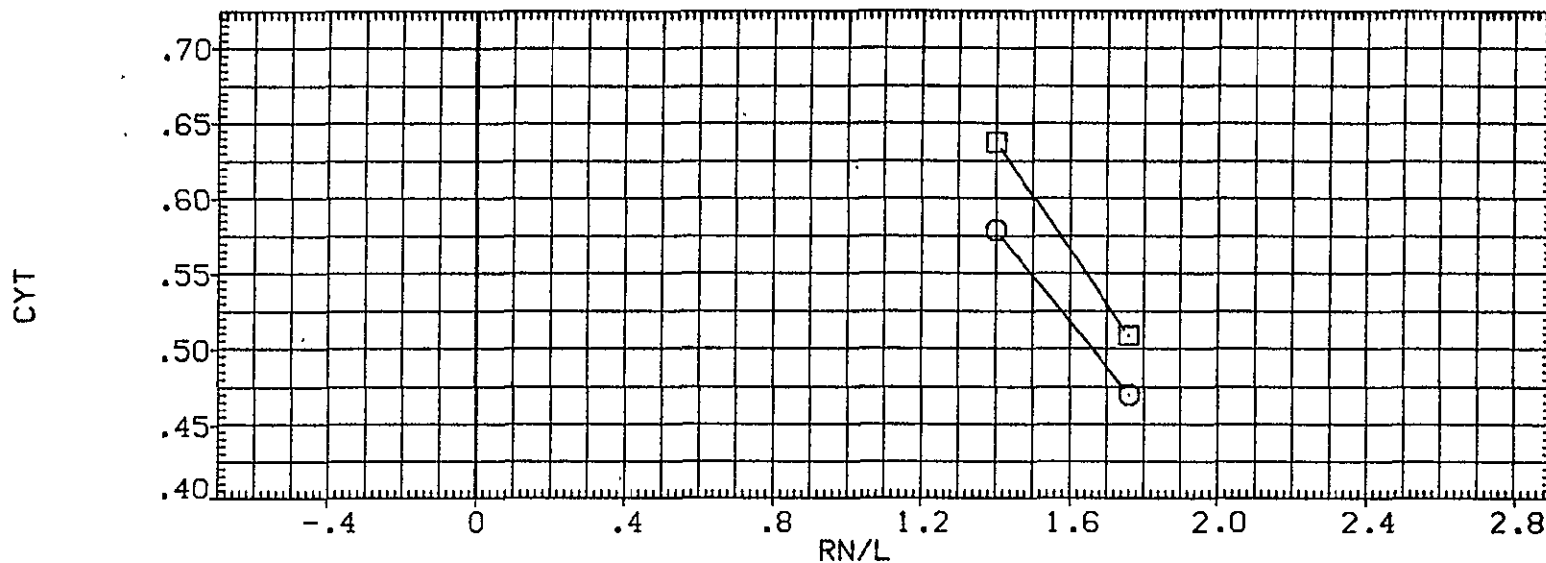




EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 1.1)
 (A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ431)  AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)
 (STL433)  AEDC VA-422(1A-57), 0R0/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 -10.000 1.100
 .000 -10.000 1.100

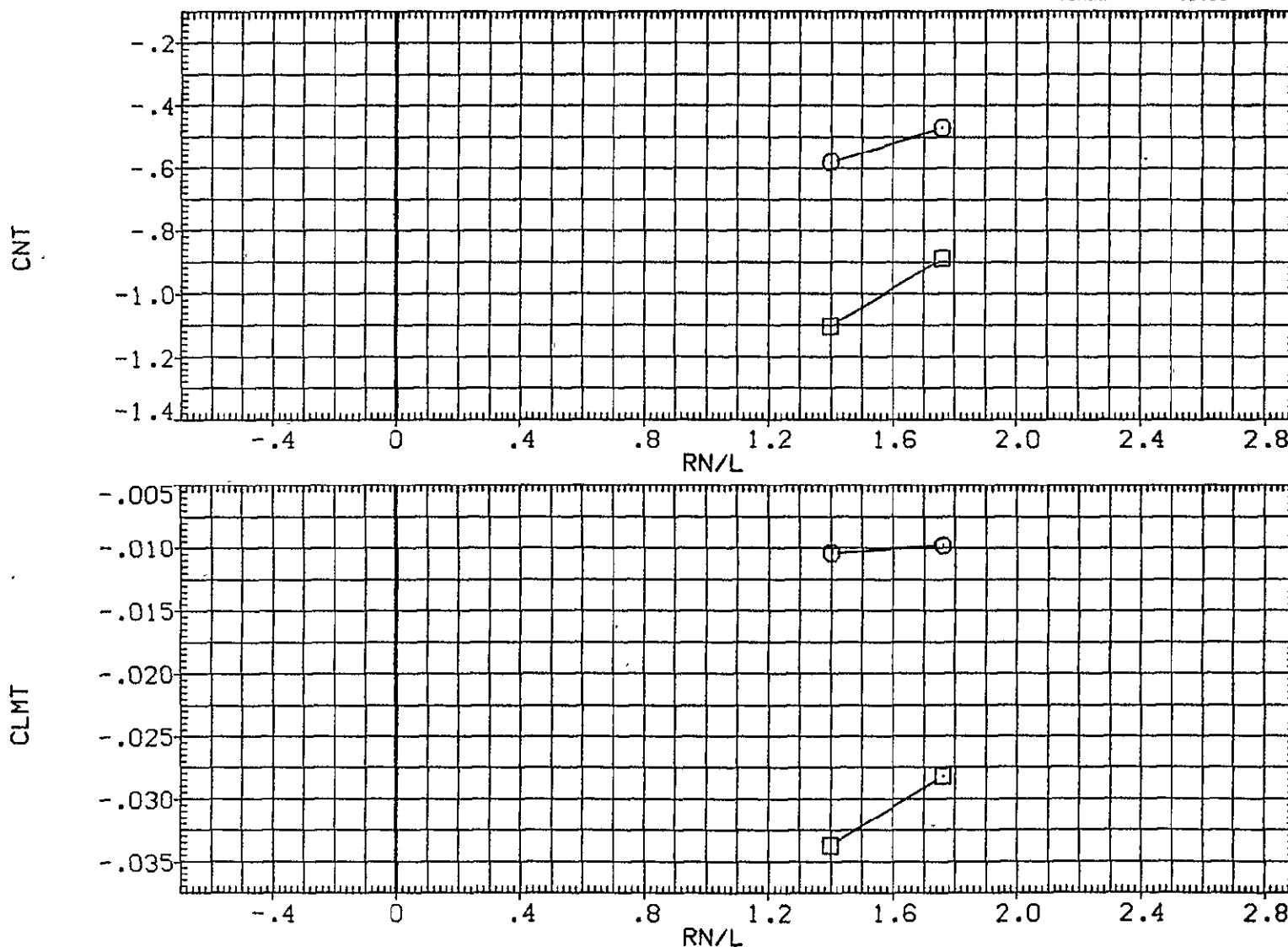
REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100





DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0431)  AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)
 (STL433)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 -10.000 1.100
 .000 -10.000 1.100

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100

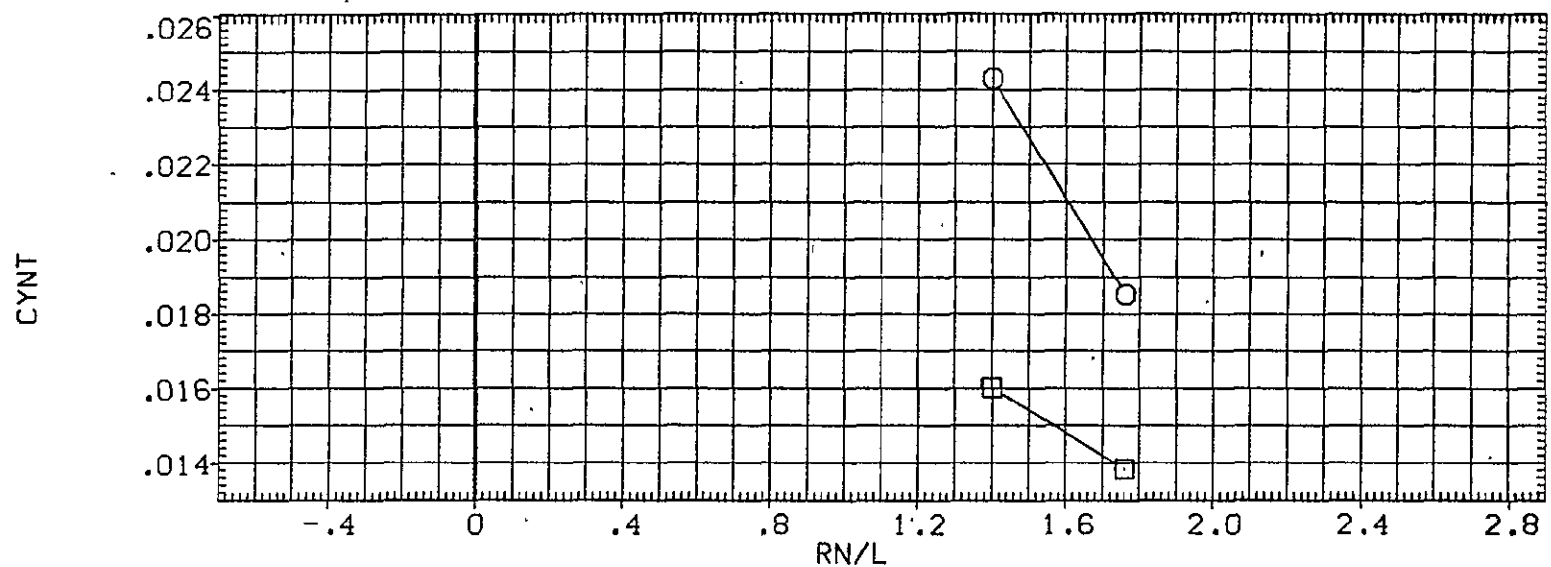
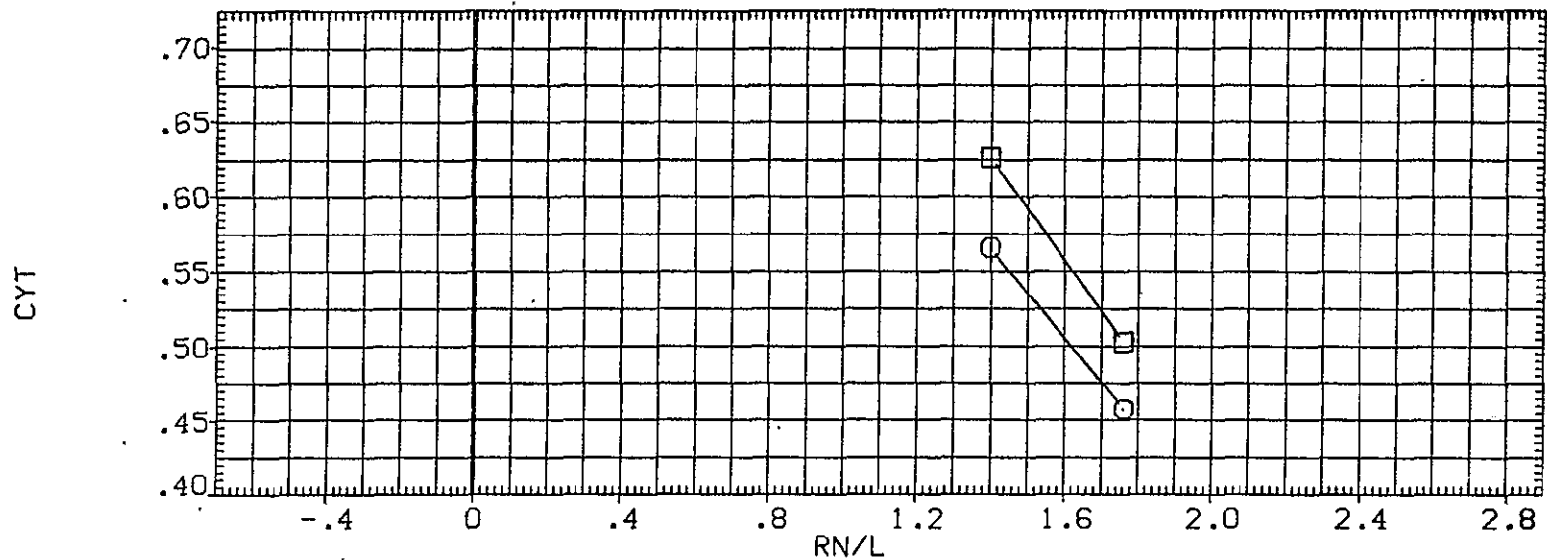


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 1.1)
 (A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ531)  AEDC VA422 1A61 01ET151 SRB DATA (O/ET SEPRTING)
 (STL533)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 .000 1.100
 .000 .000 1.100

REFERENCE INFORMATION
 SREF 2690.0000 50.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100

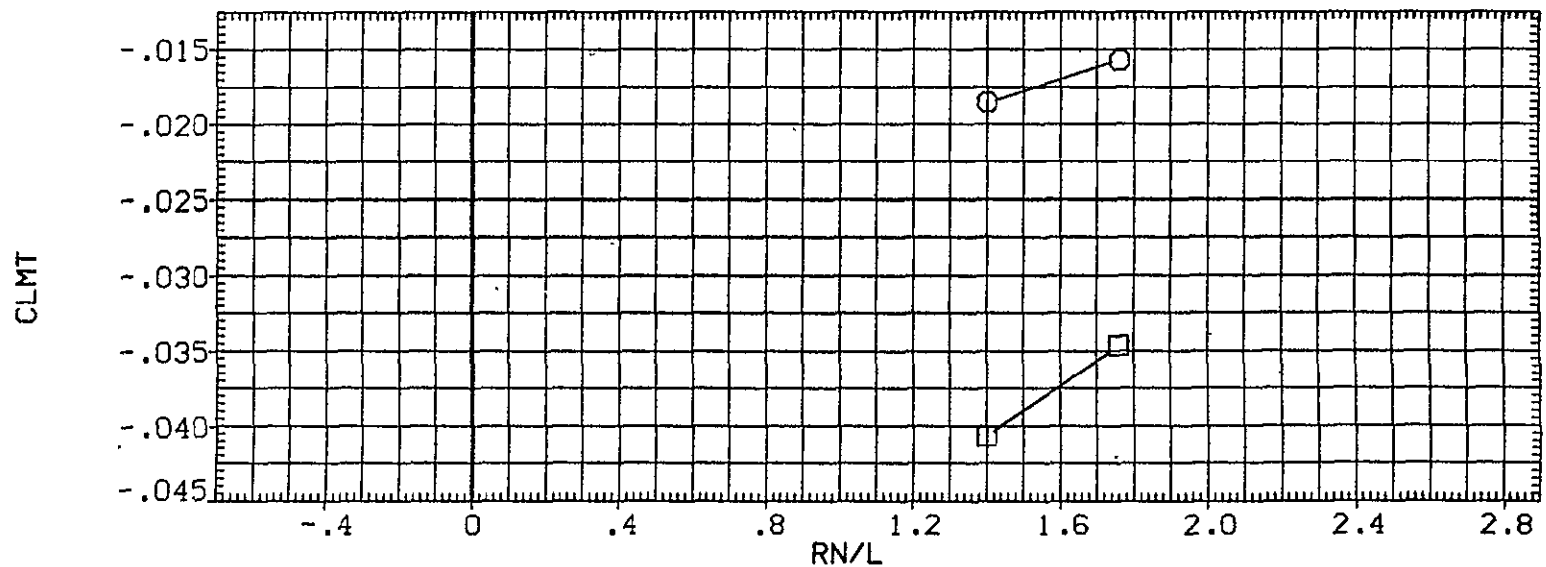
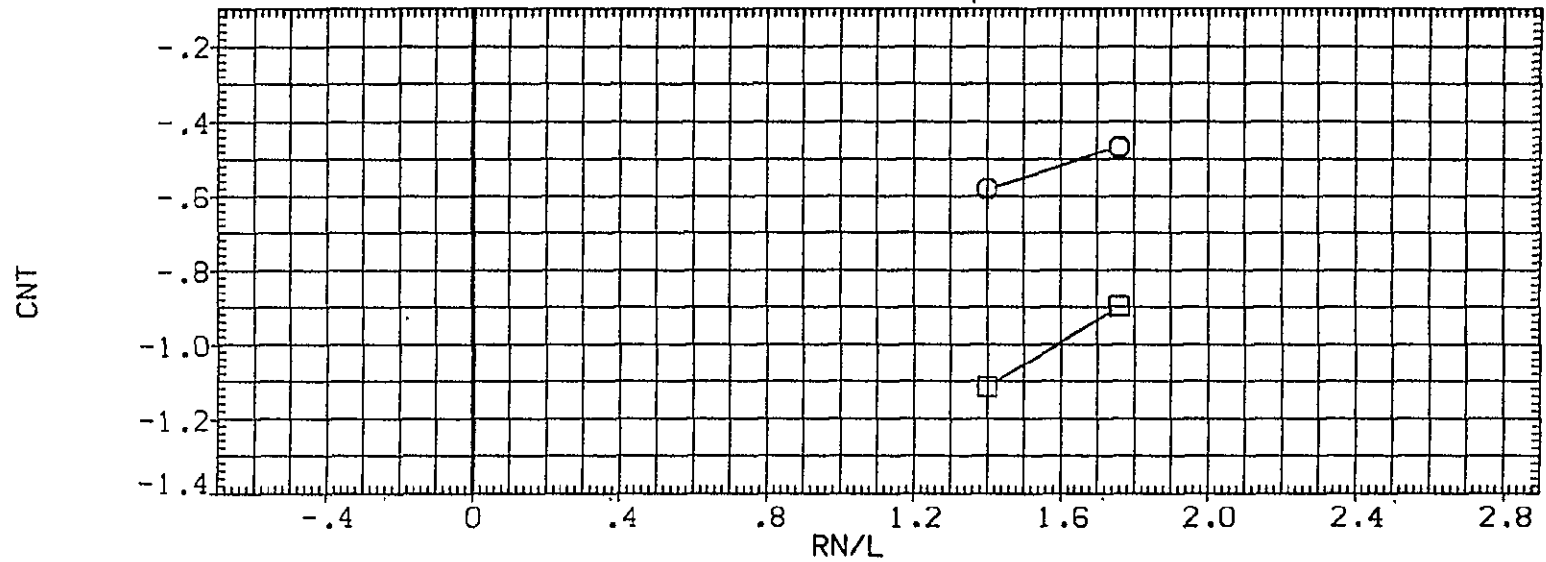


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 1.1)
 (A)MACH = 4.50



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0531) ☐ AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)
 (STL533) ☐ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 .000 1.100
 .000 .000 1.100

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100

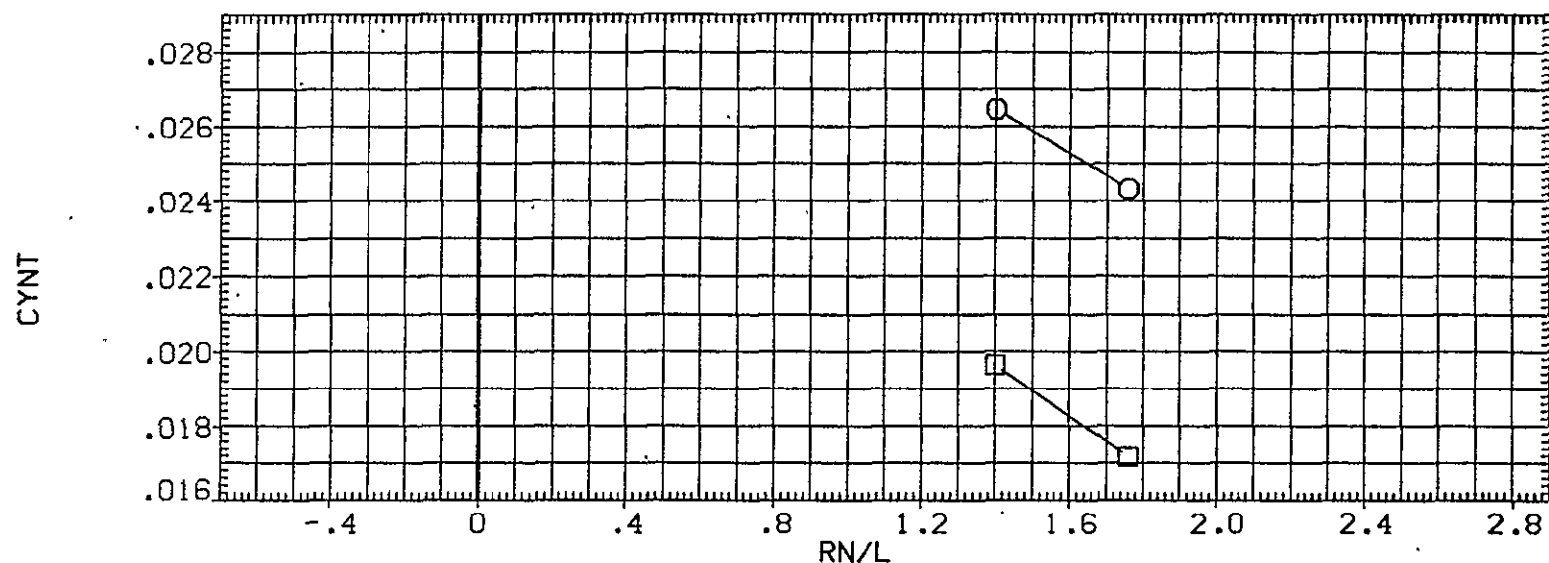
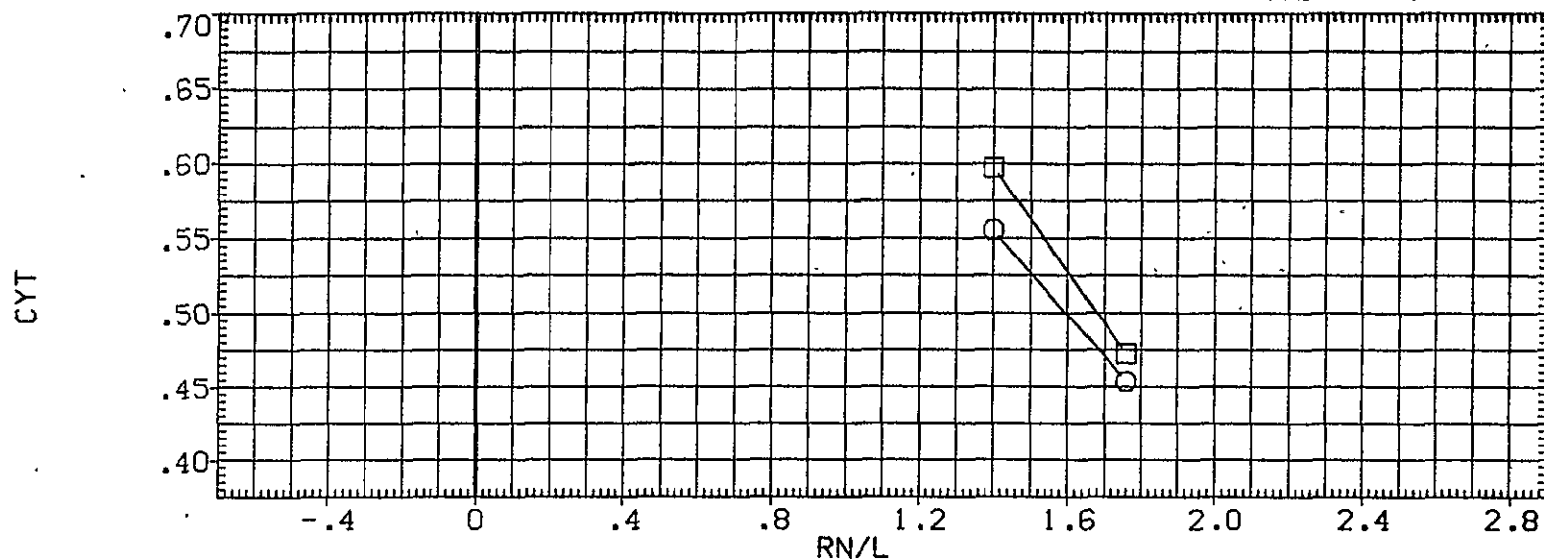


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 1.1)
 (A)MACH = 4.50



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0631)  AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRNG)
 (STL633)  AEDC VA-422(1A-57). ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 10.000 1.100
 .000 10.000 1.100

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100

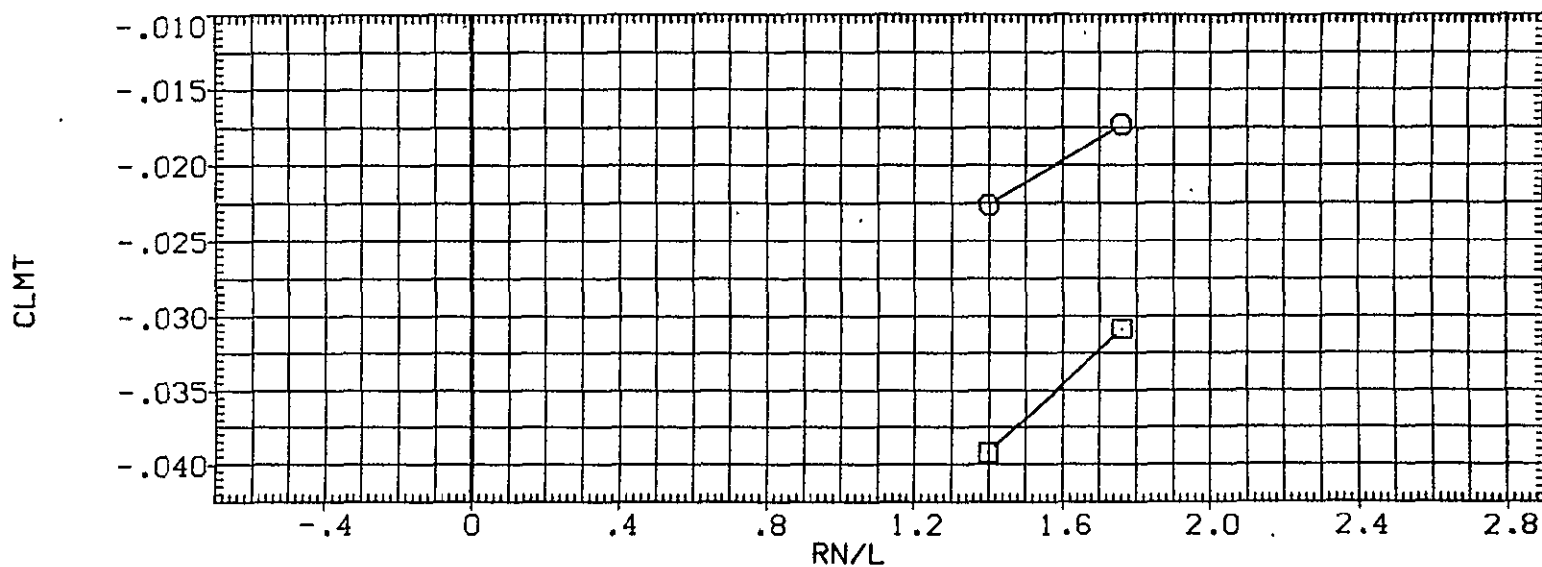
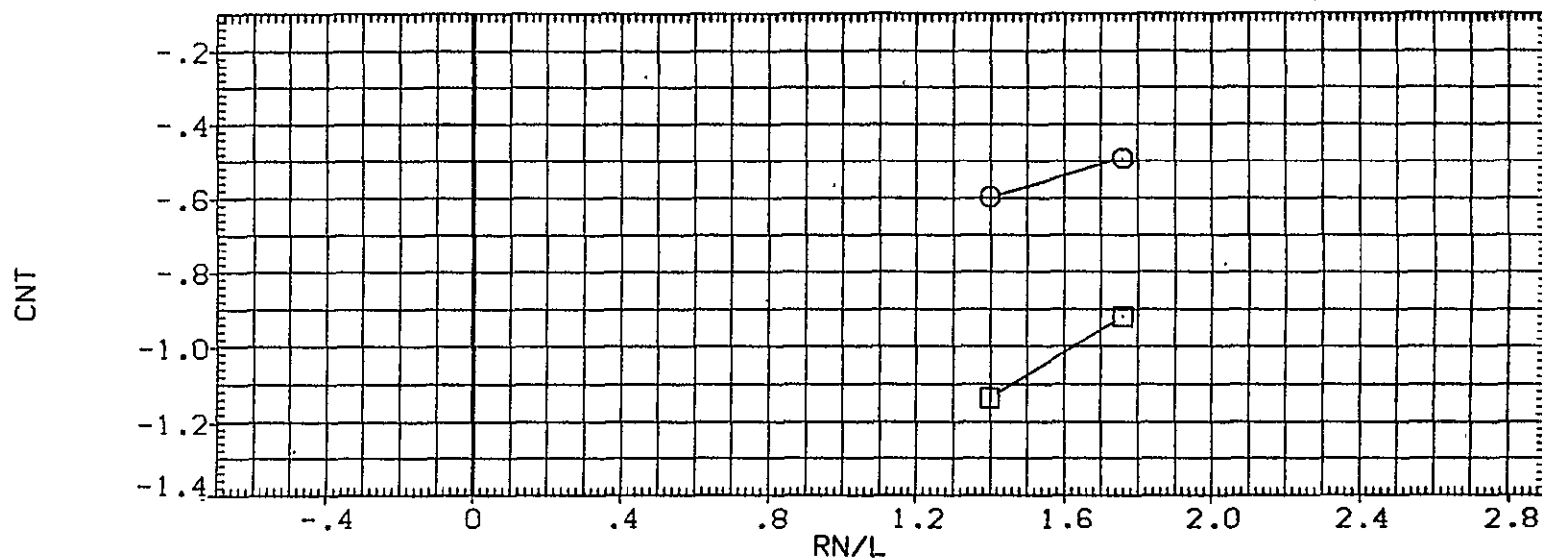


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 1.1)
 (A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0631)  AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)
 (STL633)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 10.000 1.100
 .000 10.000 1.100



REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 1.1)

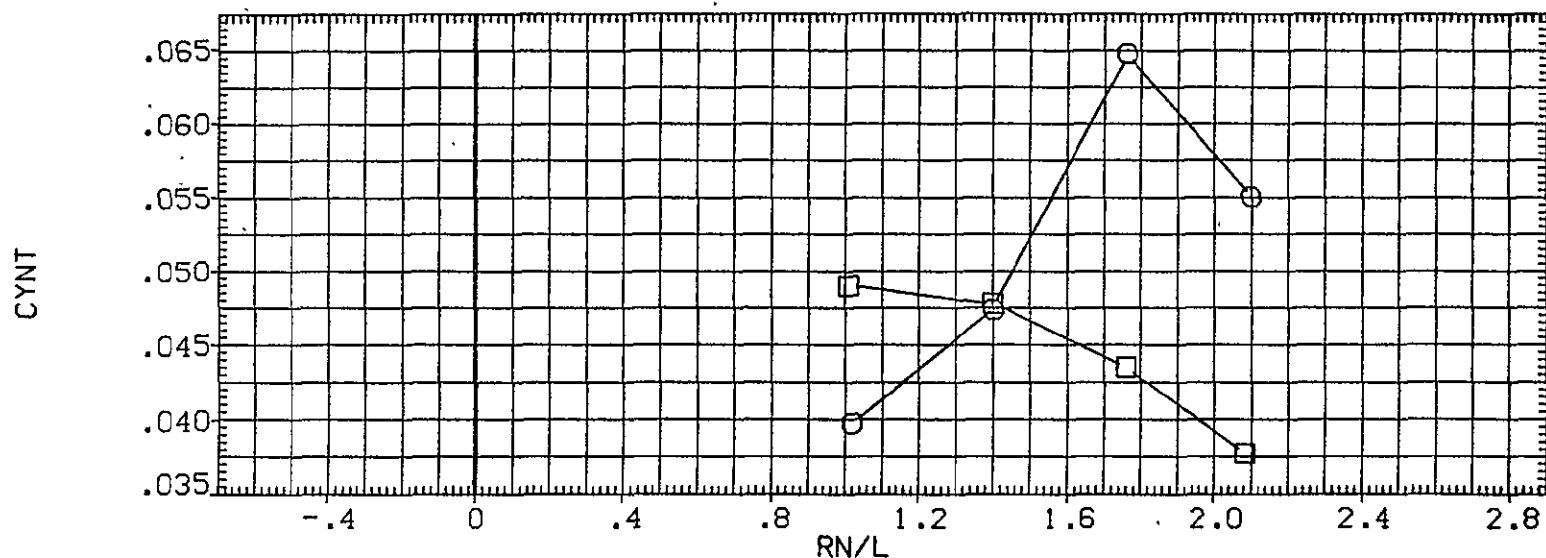
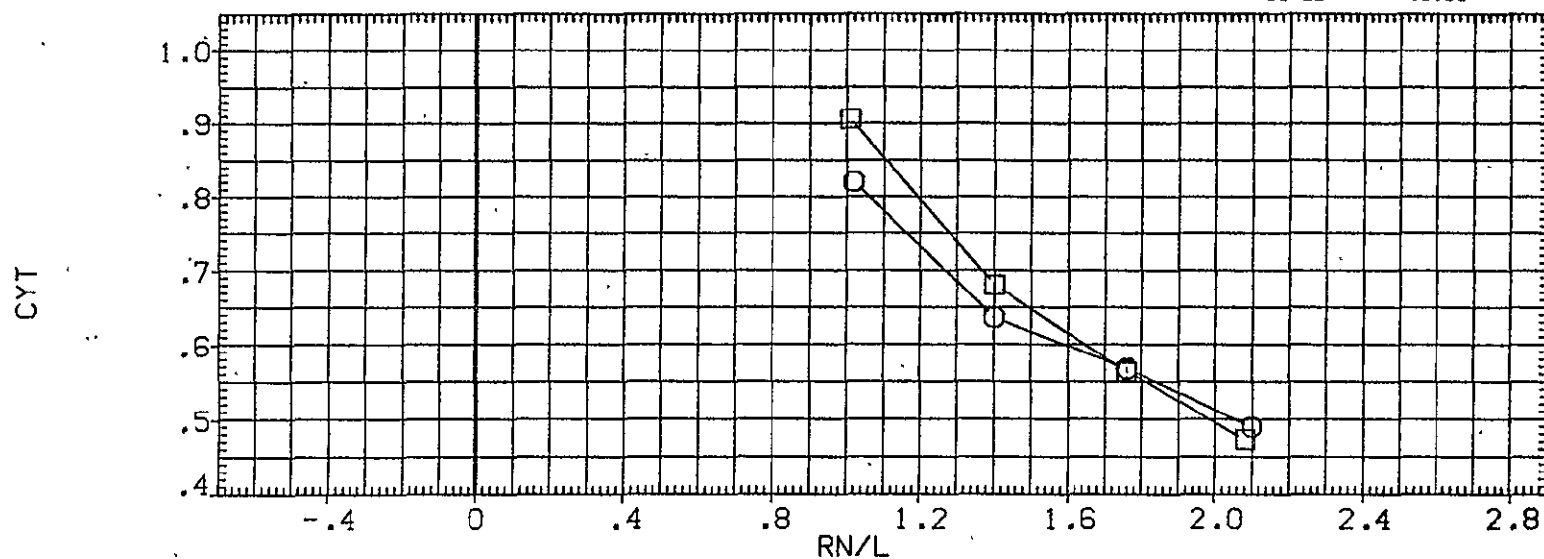
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0449)  AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)
 (STL442)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 -10.000 .000 2.200
 -10.000 .000 2.200



REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 2.2)

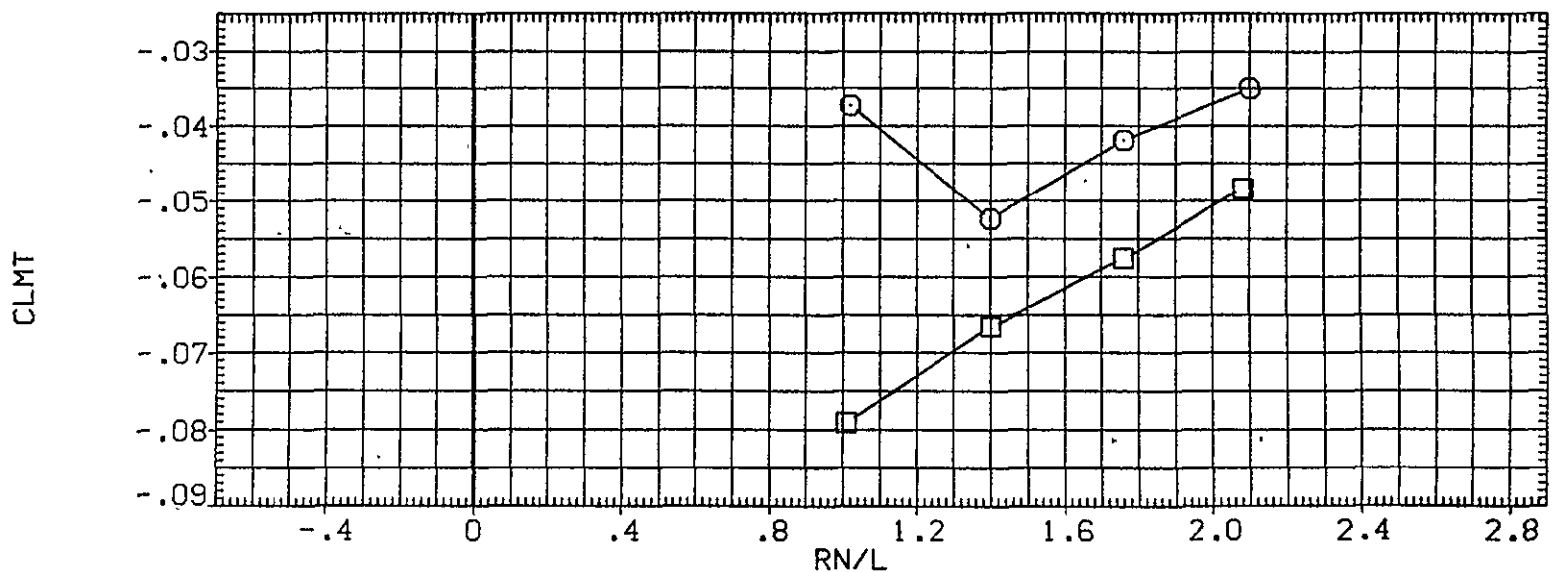
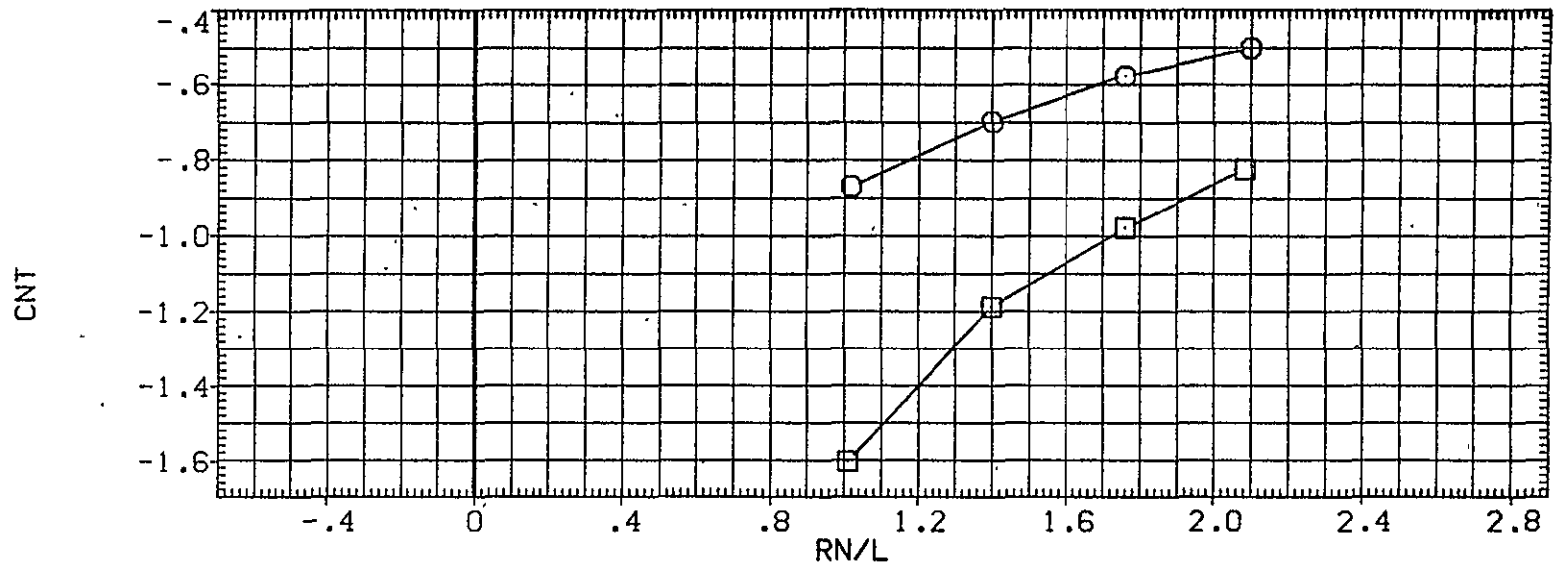
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ449)  AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)
 (STL442)  AEDC VA-422(1A-57). ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 -10.000 .000 2.200
 -10.000 .000 2.200

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100

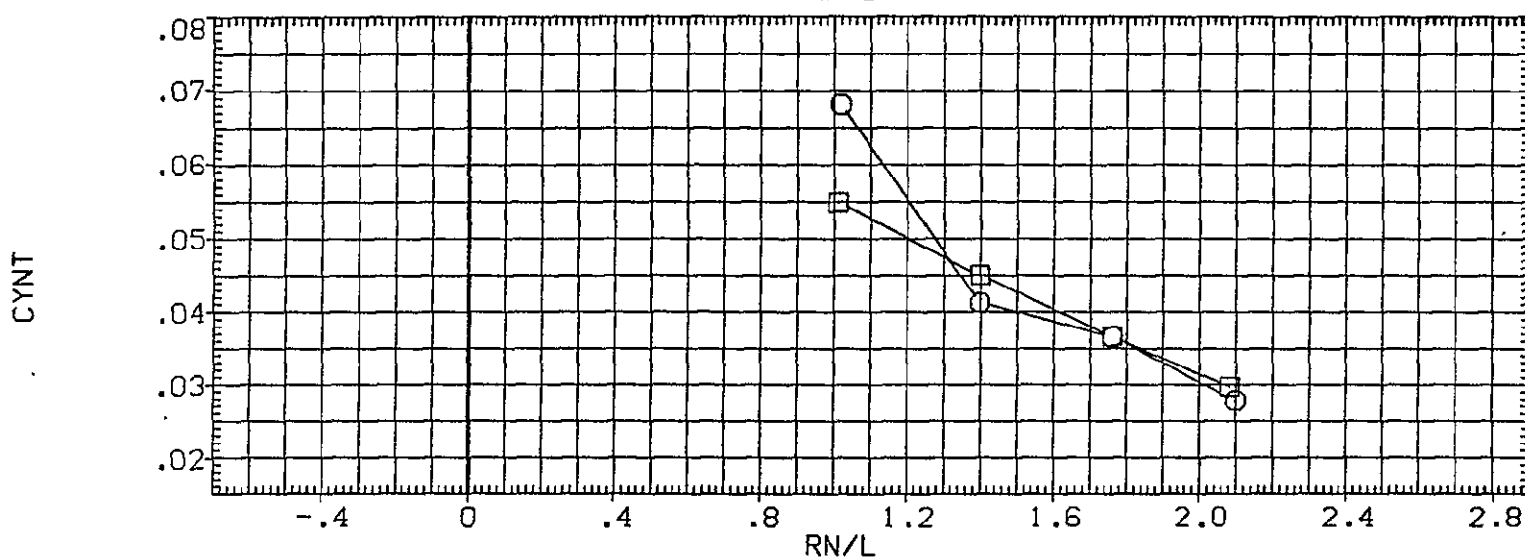
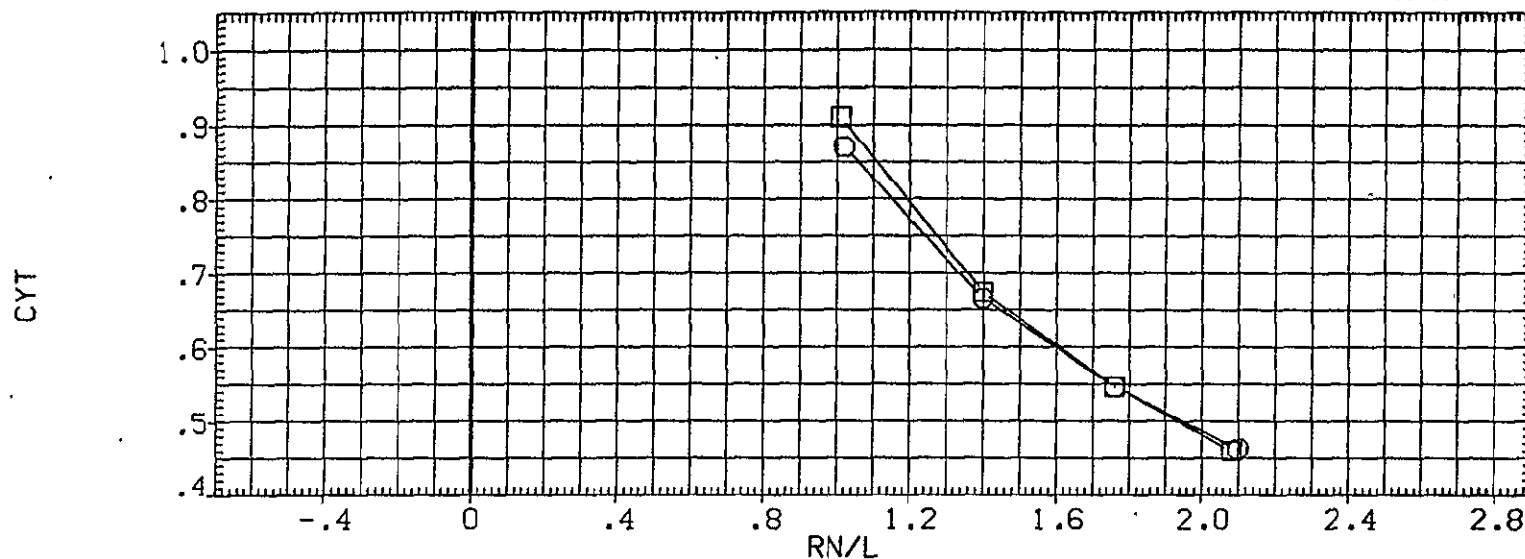


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 2.2)
 (A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ST0549)	○ AEDC VA422 IA61 01ET1S1 SRB DATA (O/ET SEPRING)
(STL542)	□ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA	BETA	SRBPOS
.000	.000	2.200
.000	.000	2.200

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	IN.
BREF	1290.3000	IN.
XMRP	1167.0000	IN.XS
YMRP	.0000	IN.YS
ZMRP	400.0000	IN.ZS
SCALE	.0100	



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 2.2)

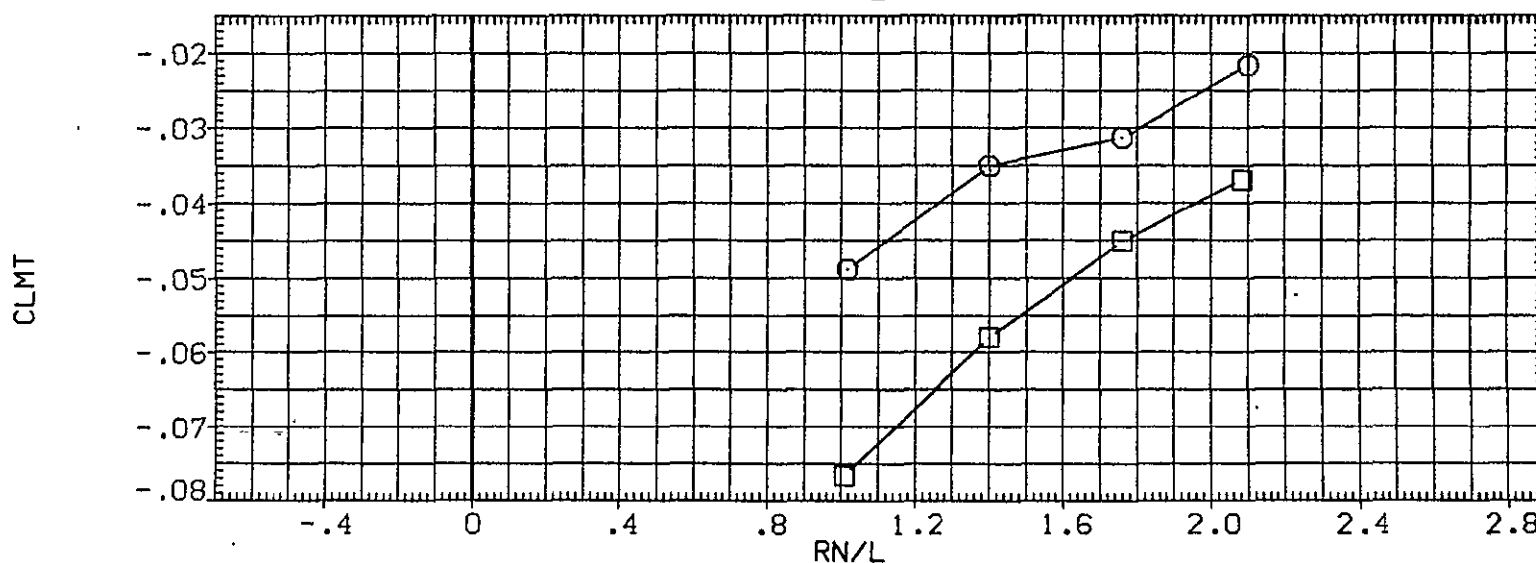
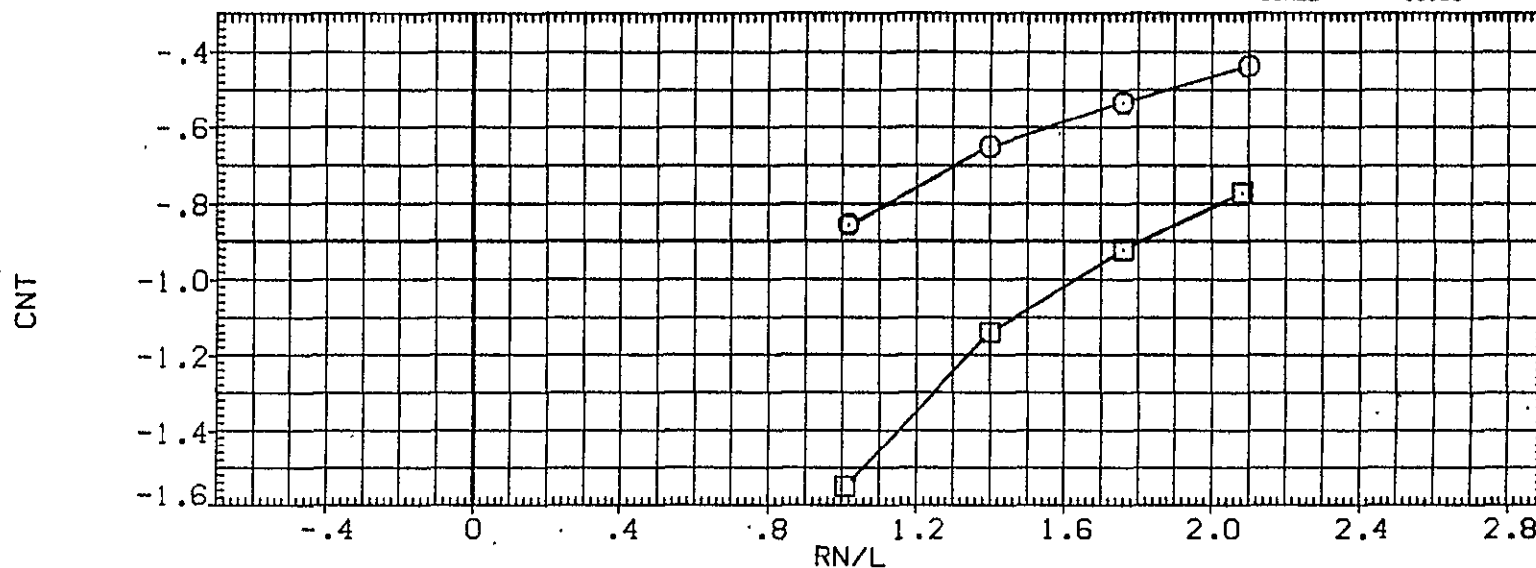
(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ST0549)	AEBC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)
(STL542)	AEBC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA	BETA	SRBPOS
.000	.000	2.200
.000	.000	2.200

REFERENCE INFORMATION		
SREF	2690.0000	50.FT.
LREF	1290.3000	IN.
BREF	1290.3000	IN.
XMRP	1167.0000	IN.XS
YMRP	.0000	IN.YS
ZMRP	400.0000	IN.ZS
SCALE	.0100	



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 2.2)

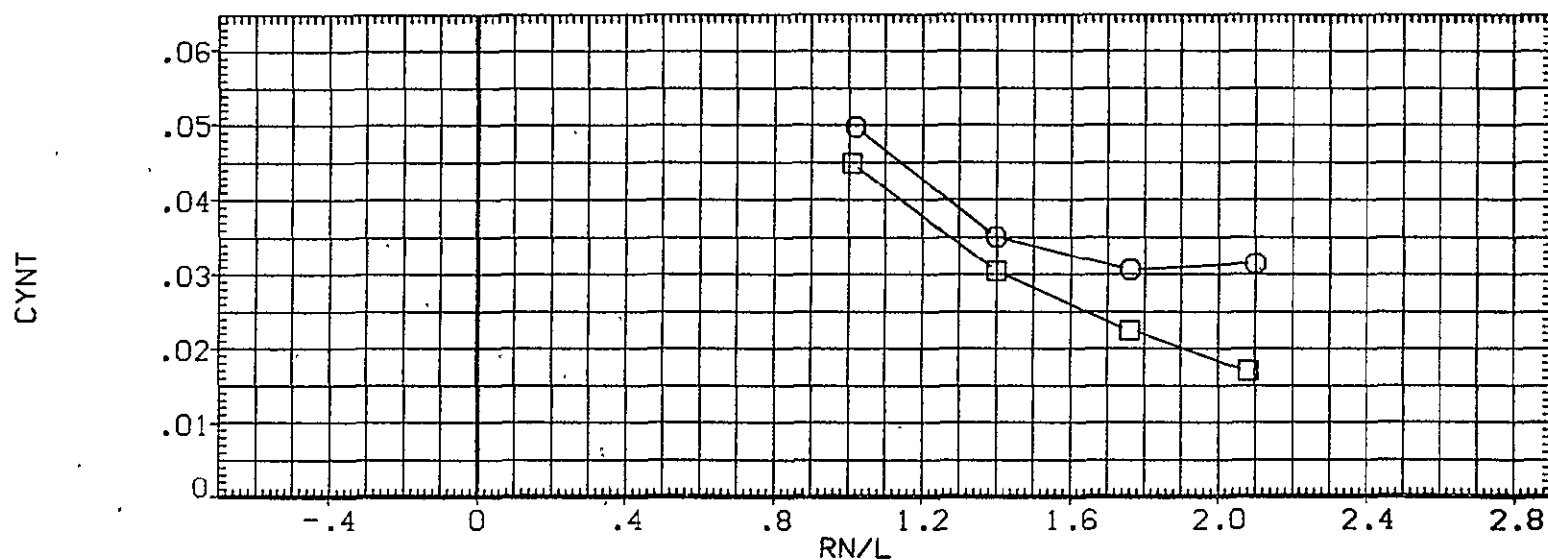
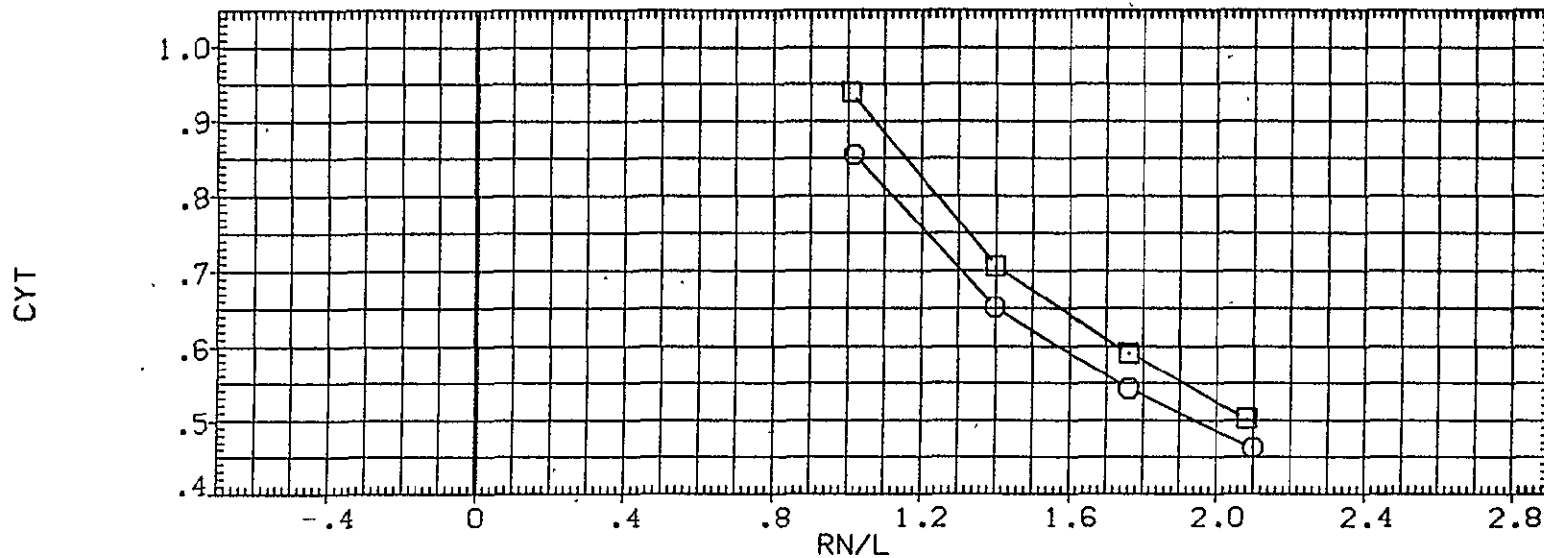
(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ST0649)	□ AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTING)
(STL642)	○ AEDC VA-422(1A-S7), ORB/ET W/BOTH SRB

ALPHA	BETA	SRBPOS
10.000	.000	2.200
10.000	.000	2.200

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	IN.
BREF	1290.3000	IN.
XMRP	1167.0000	IN.XS
YMRP	.0000	IN.YS
ZMRP	400.0000	IN.ZS
SCALE	.0100	



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 2.2)

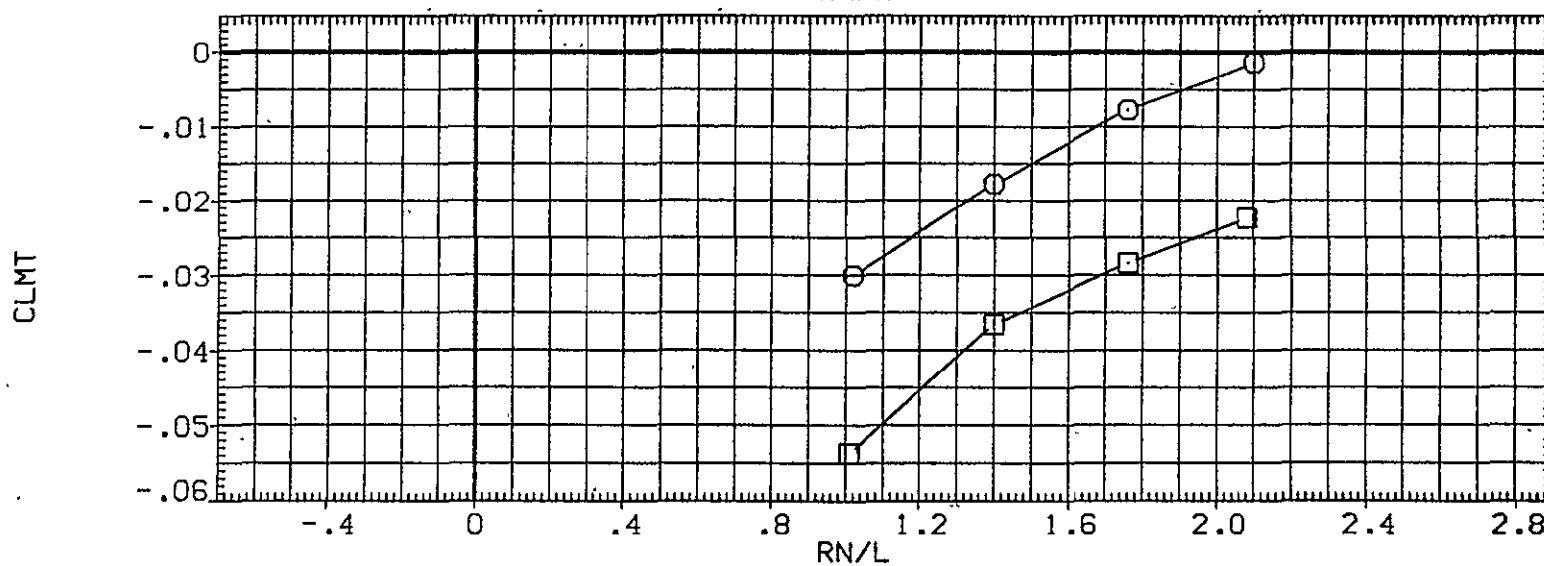
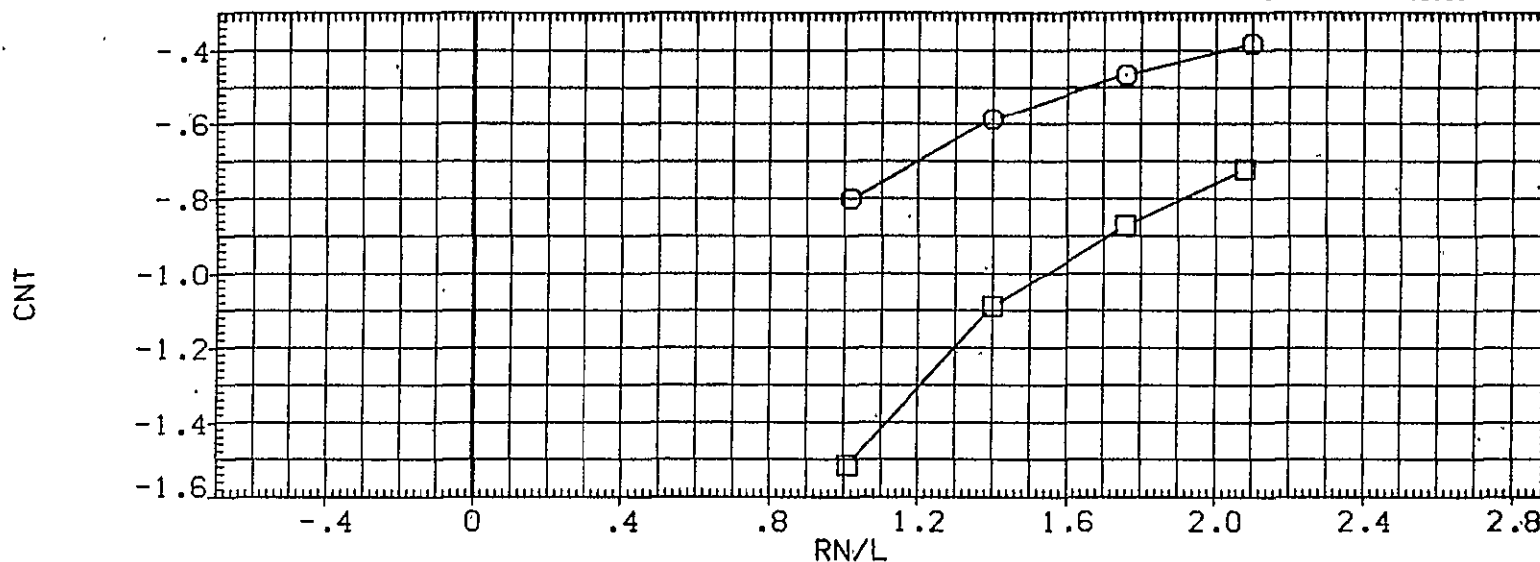
(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ST0649) ○	AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRING)
(STL642) □	AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB

ALPHA	BETA	SRBPOS
10.000	.000	2.200
10.000	.000	2.200

REFERENCE INFORMATION		
SREF	2690.0000	SO.FT.
LREF	1290.3000	IN.
BREF	1290.3000	IN.
XMRP	1167.0000	IN.XS
YMRP	.0000	IN.YS
ZMRP	400.0000	IN.ZS
SCALE	.0100	



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 2.2)

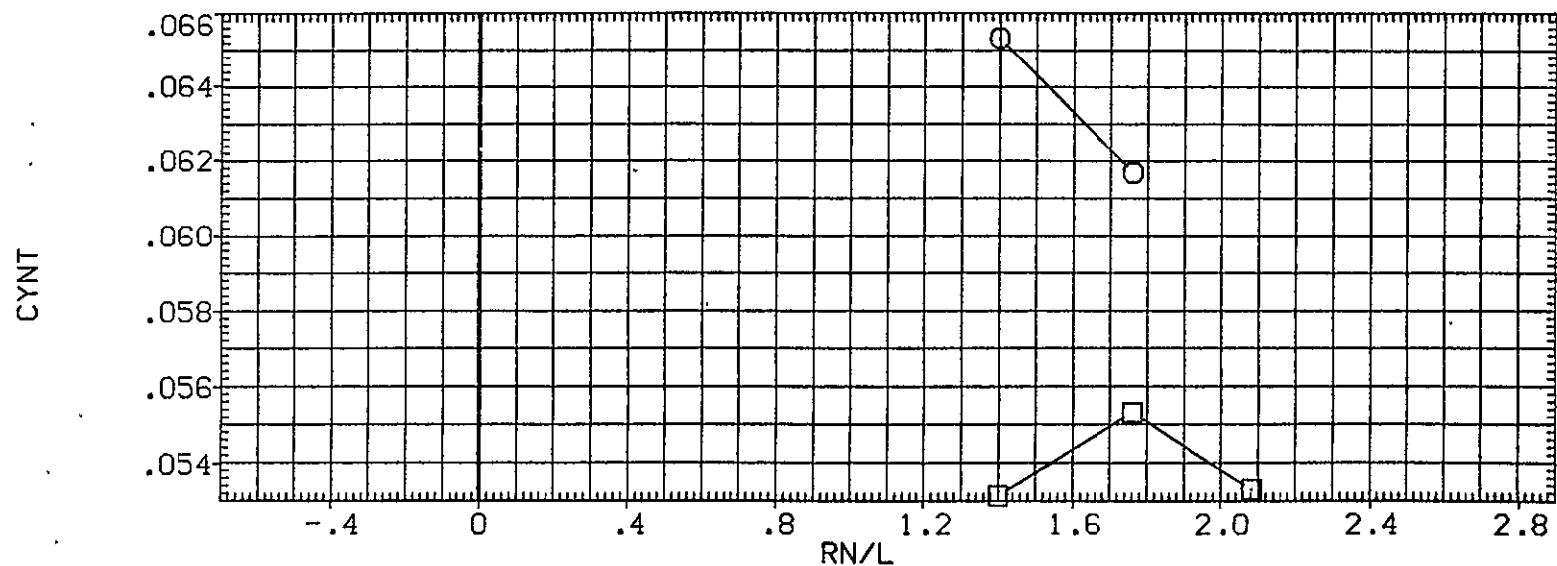
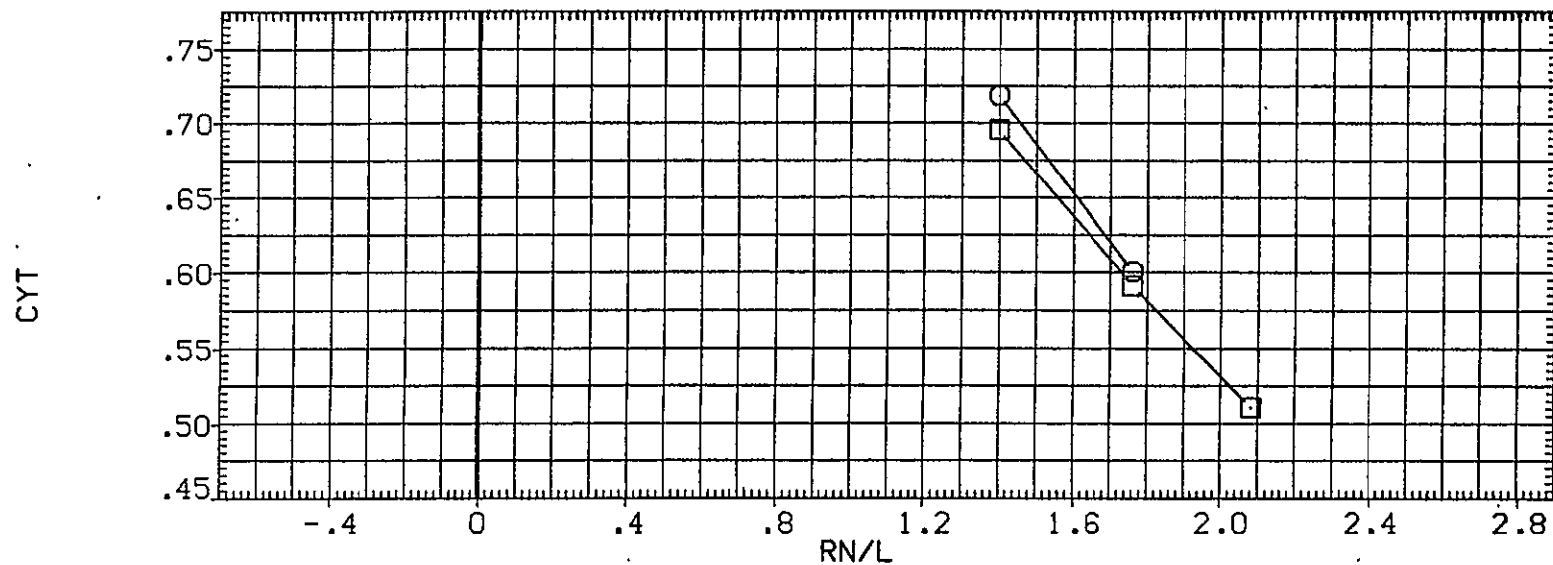
(A)MACH = 4.50



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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ST0451) ○	AEDC VA422 IA61 01ET1S1 SRB DATA (O/ET SEPRNG)
(STL444) □	AEDC VA-422(IA-57), ORB/ET W/BOTH SRB

ALPHA	BETA	SRBPOS
.000	-10.000	2.200
.000	-10.000	2.200

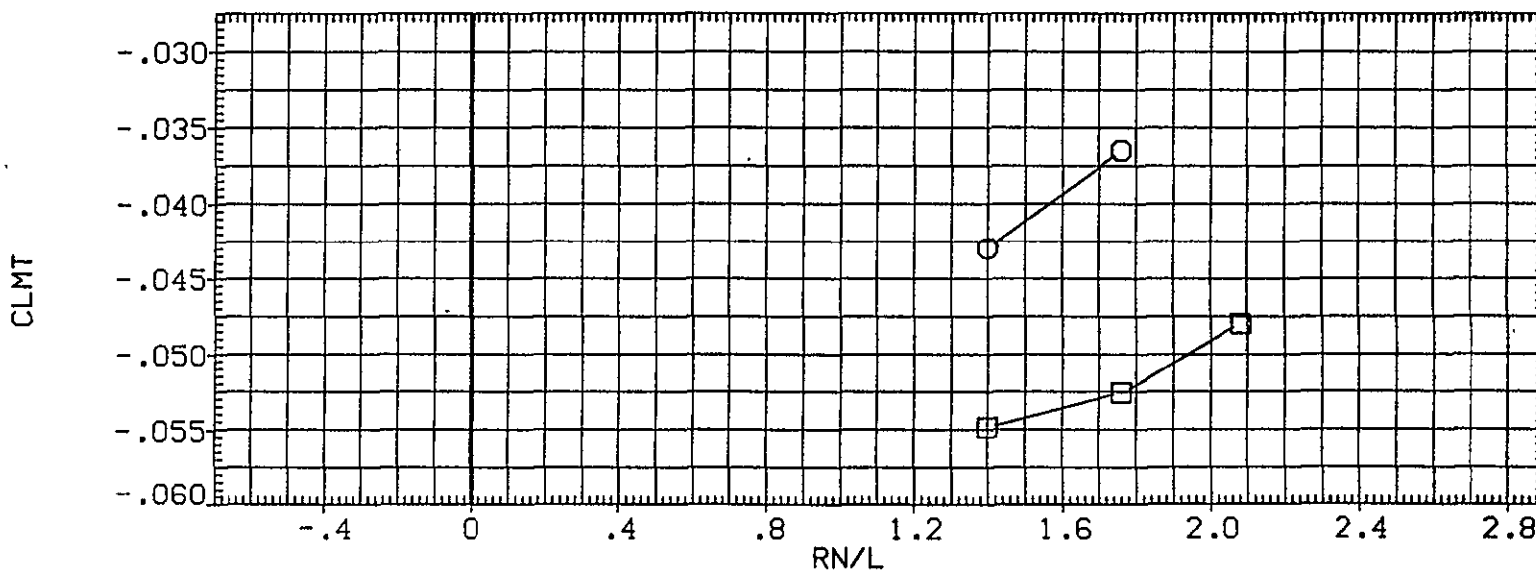
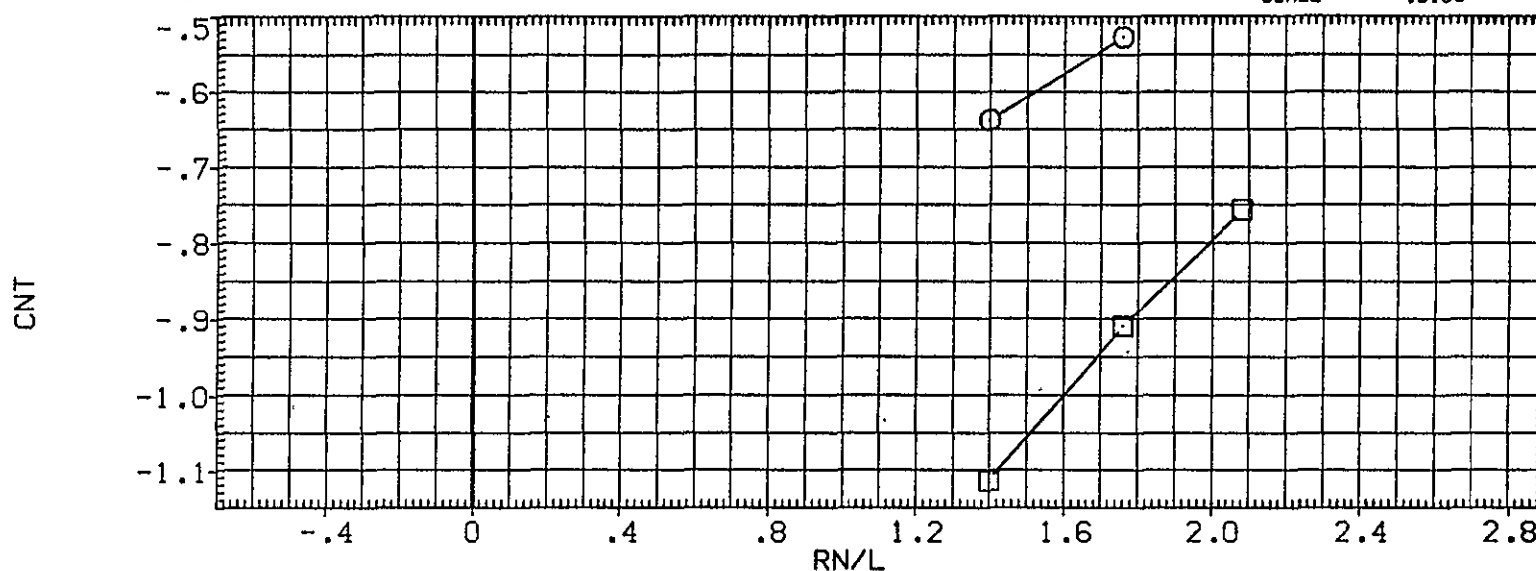
REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	1290.3000 IN.
BREF	1290.3000 IN.
XMRP	1167.0000 IN.XS
YMRP	.0000 IN.YS
ZMRP	400.0000 IN.ZS
SCALE	.0100



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ451)  AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)
 (STL444)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 -10.000 2.200
 .000 -10.000 2.200

REFERENCE INFORMATION
 SREF 2690.0000 50.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100

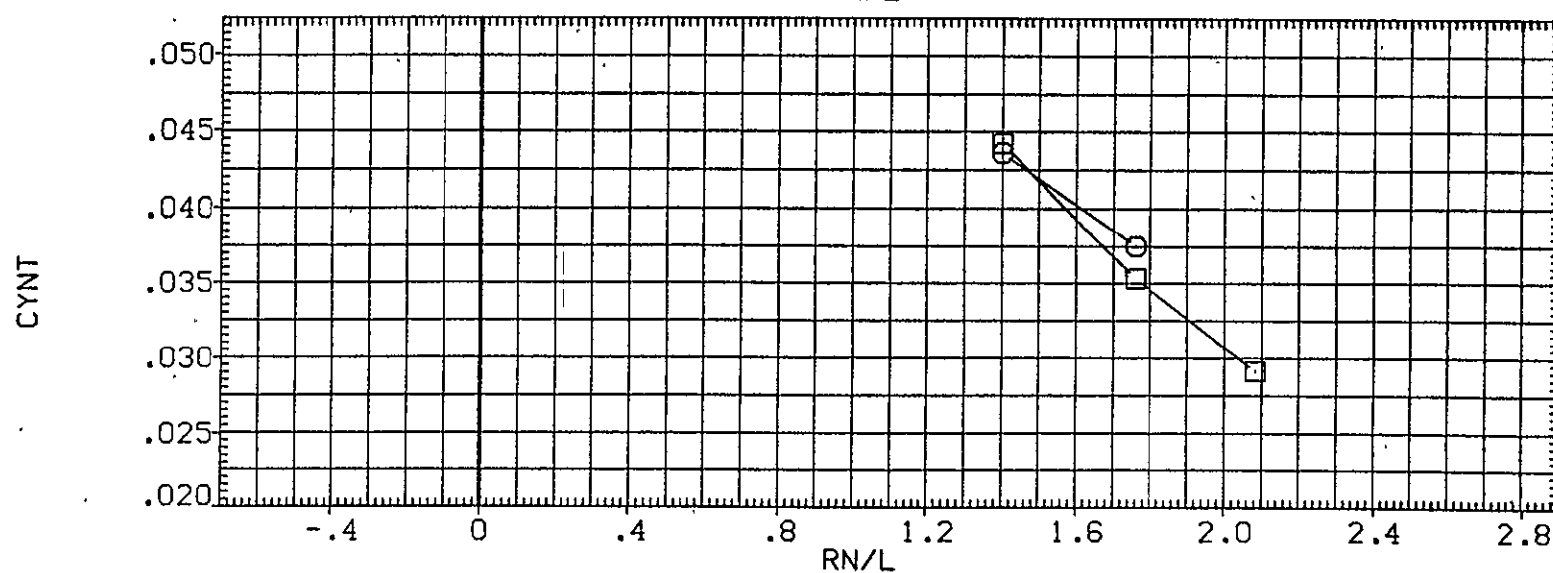
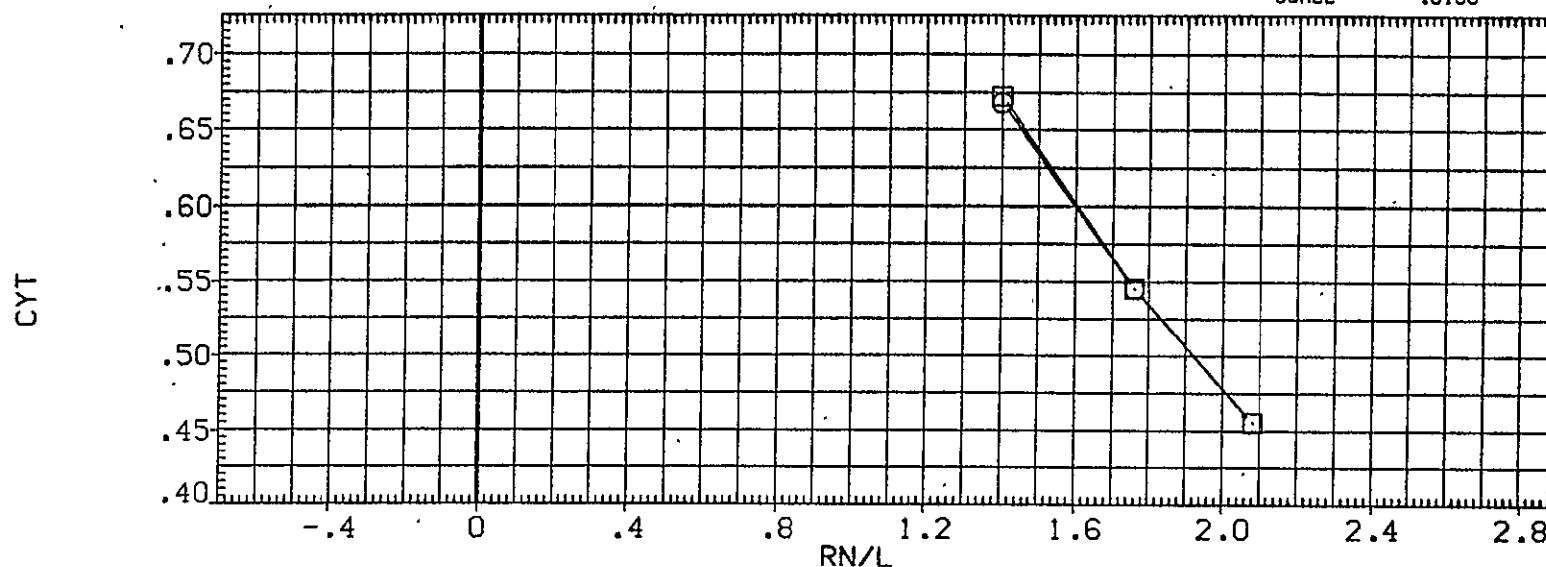


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 2.2)
 (A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0551) ☐ AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)
 (STL544) ☐ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 .000 2.200
 .000 .000 2.200

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



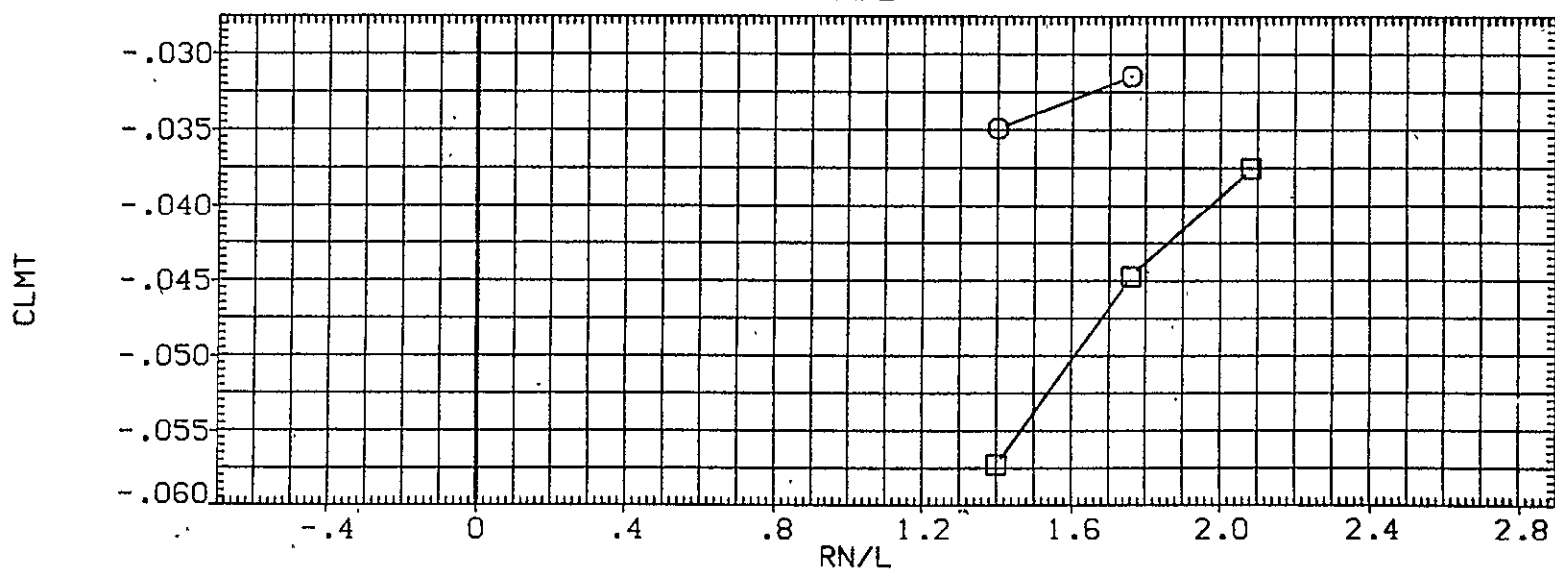
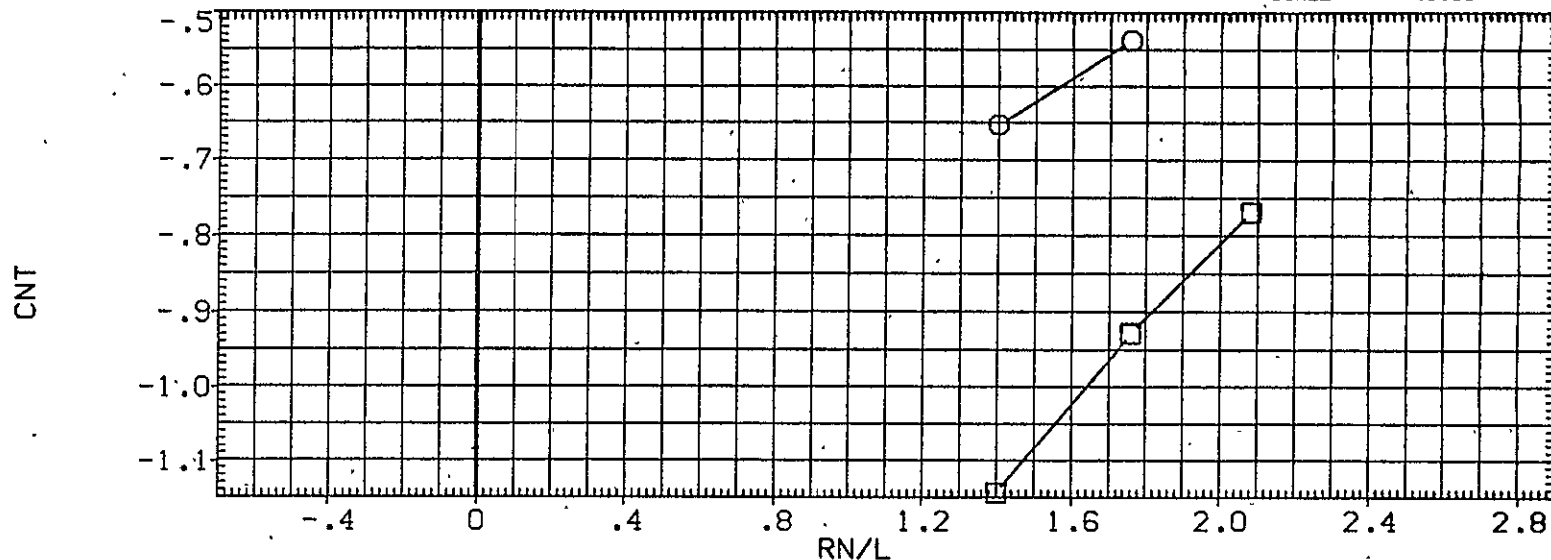
EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 2.2)
 (A)MACH = 4.50

9.6

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ551) ☐ AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)
 (STL544) ☐ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 .000 2.200
 .000 .000 2.200

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 2.2)

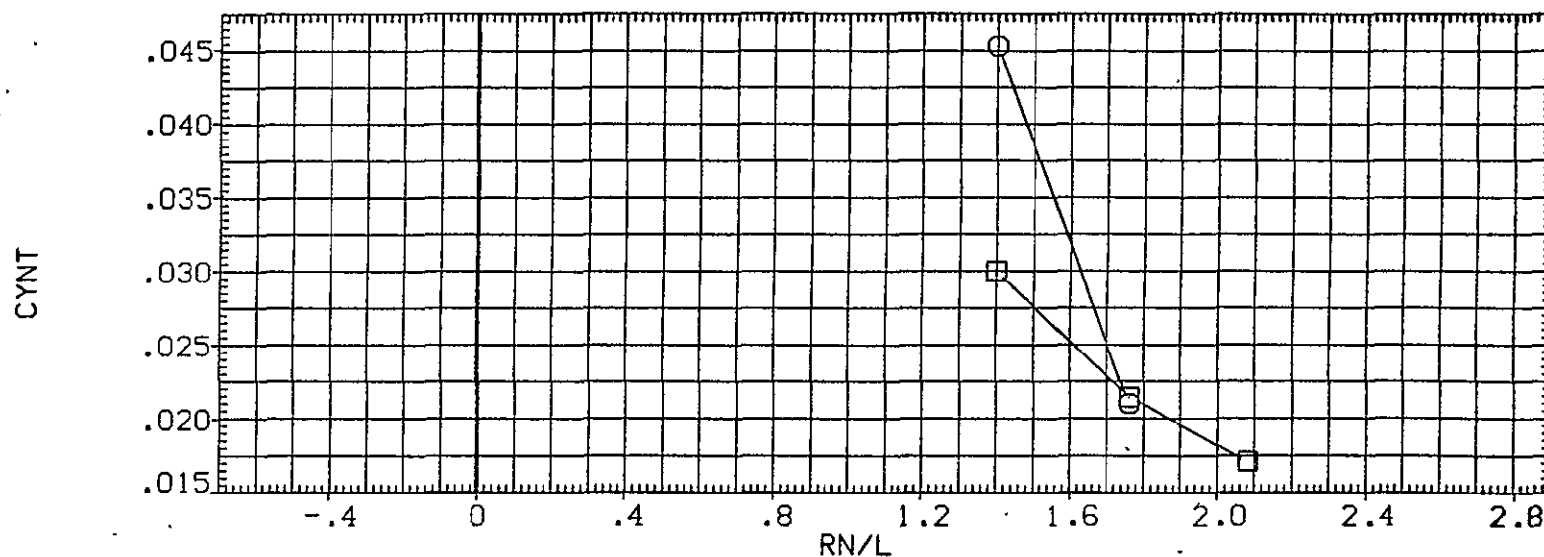
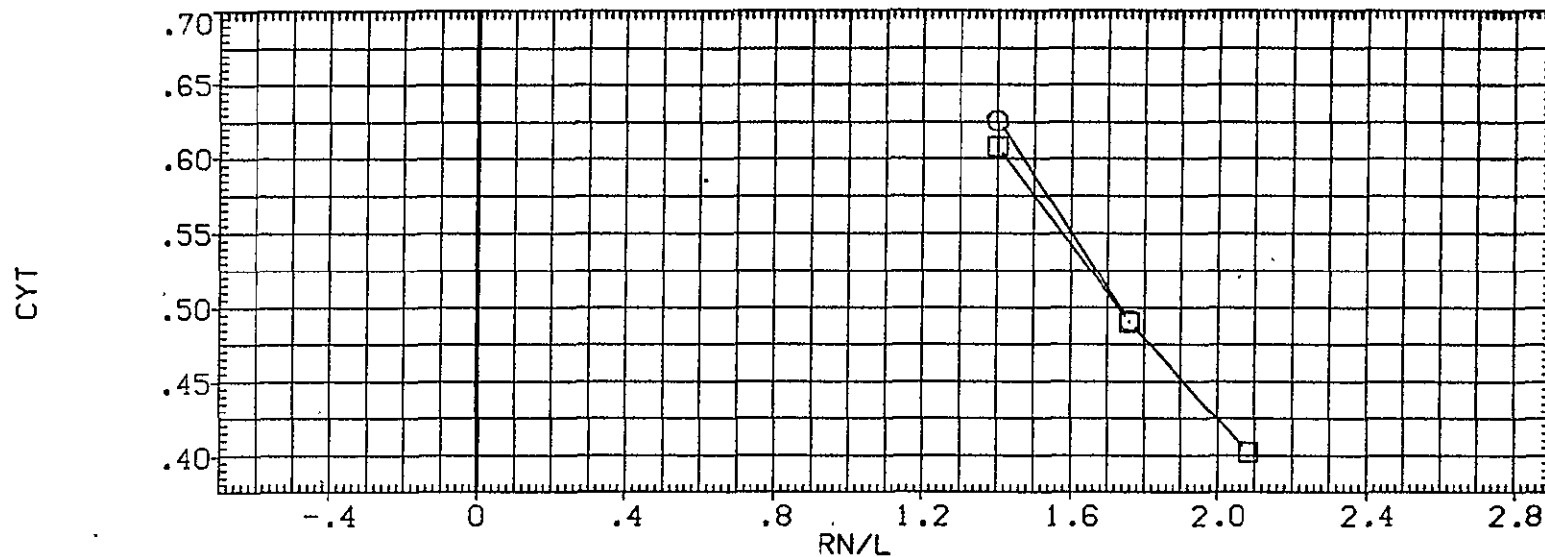
(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(STQ651)	○ AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)
(STL644)	□ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA	BETA	SRBPOS
.000	10.000	2.200
.000	10.000	2.200



REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	1290.3000 IN.
BREF	1290.3000 IN.
XMRP	1167.0000 IN.XS
YMRP	.0000 IN.YS
ZMRP	400.0000 IN.ZS
SCALE	.0100



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 2.2)

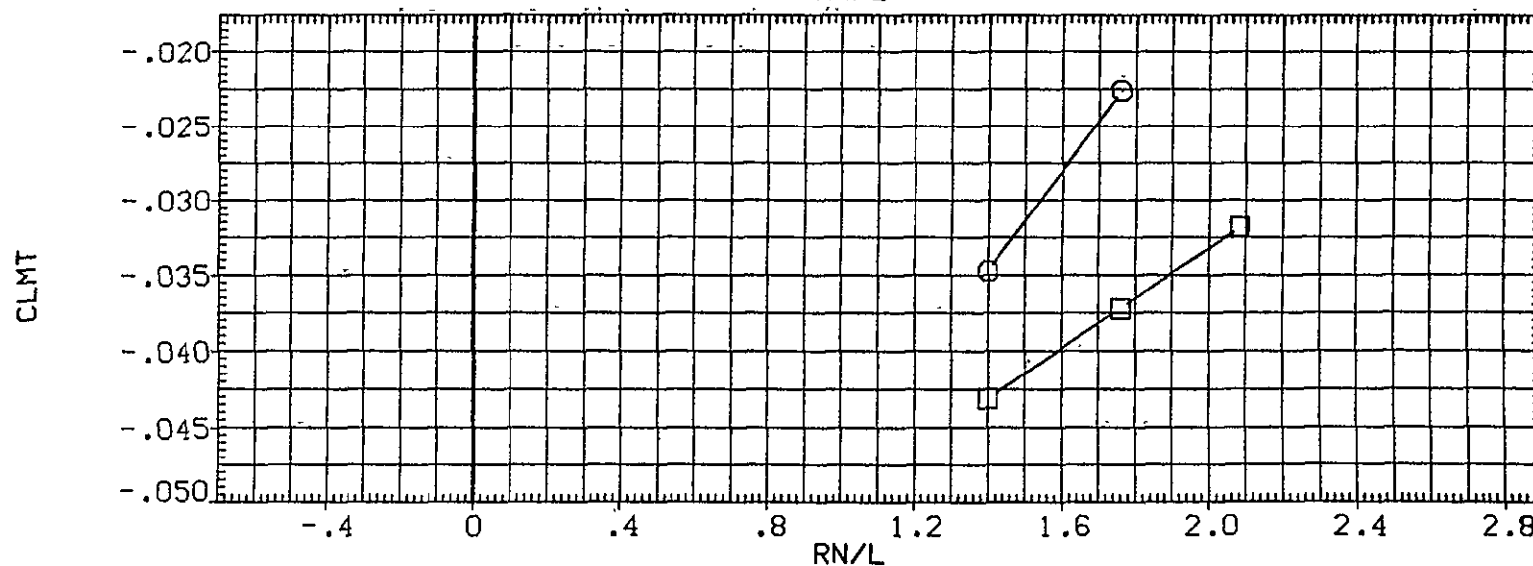
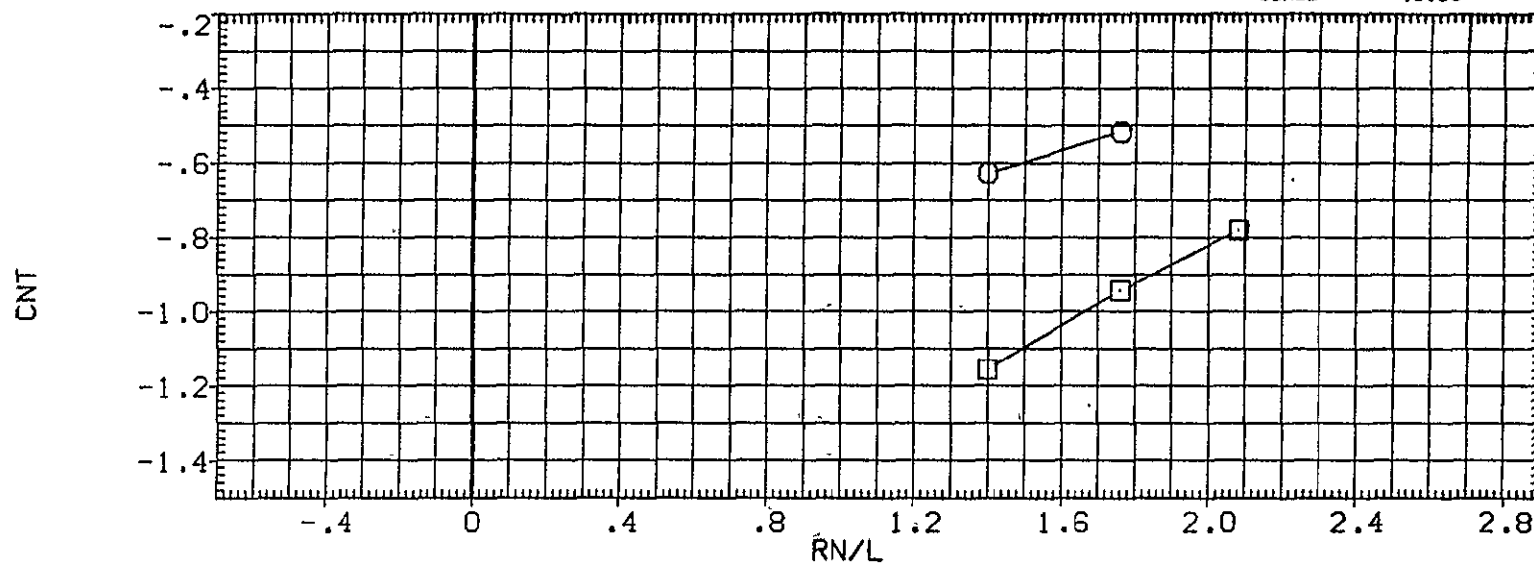
(A)MACH = 4.50

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0651)  AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)
 (STL644)  AEDC VA-422(1A-57). ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 10.000 2.200
 .000 10.000 2.200

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



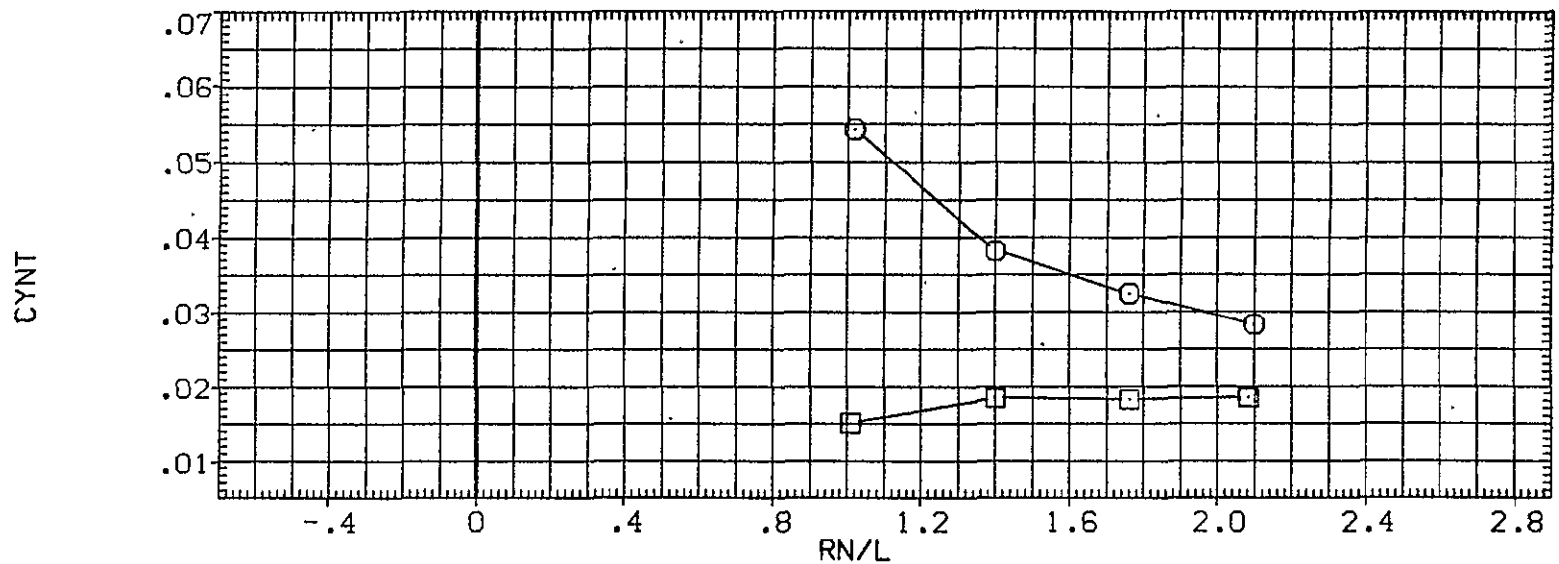
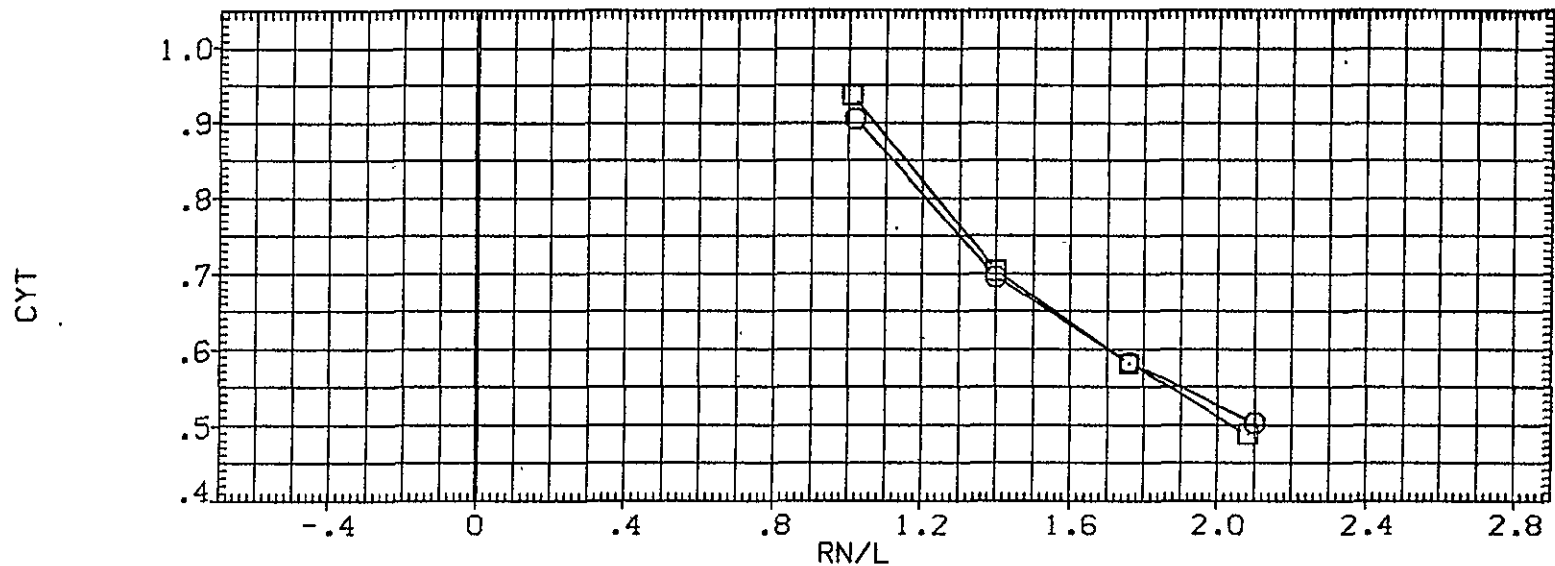
EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 2.2)
 (A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(STQ464) ○	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)
(STL453) □	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

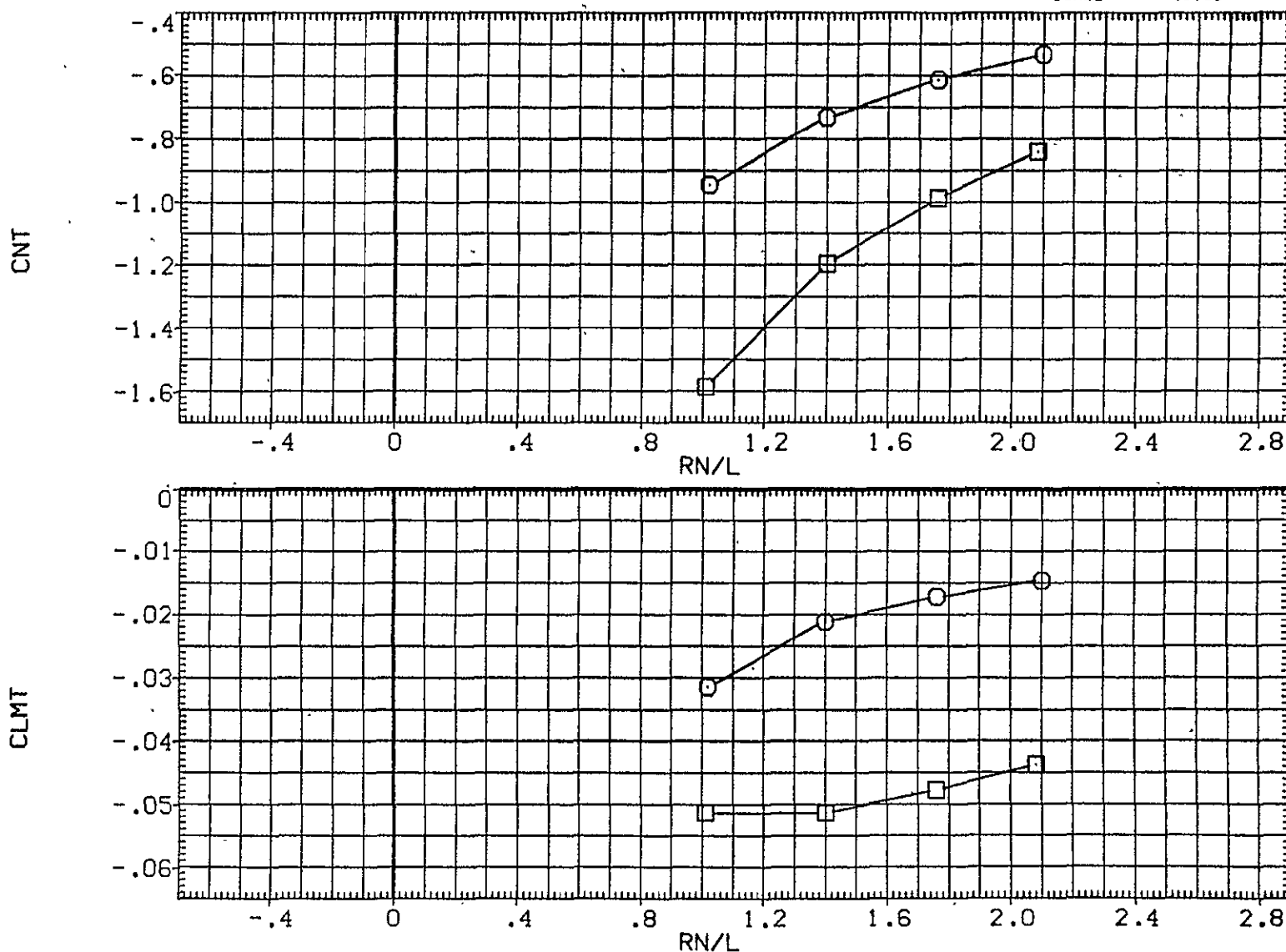
ALPHA	BETA	SRBPOS
-10.000	.000	3.300
-10.000	.000	3.300

REFERENCE INFORMATION	
SREF	2690.0000 SQ.FT.
LREF	1290.3000 IN.
BREF	1290.3000 IN.
XMRP	1167.0000 IN.XS
YMRP	.0000 IN.YS
ZMRP	400.0000 IN.ZS
SCALE	.0100



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 3.3)
 (A)MACH = 4.50

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	ALPHA	BETA	SRBPOS	REFERENCE INFORMATION
(ST0464)	AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)	-10.000	.000	3.300	SREF 2690.0000 SQ.FT.
(STL453)	AEDC VA-422(1A-57), ORB/ET W/BOTH SRB	-10.000	.000	3.300	LREF 1290.3000 IN.
					BREF 1290.3000 IN.
					XMRP 1167.0000 IN.XS
					YMRP .0000 IN.YS
					ZMRP 400.0000 IN.ZS
					SCALE .0100



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 3.3)

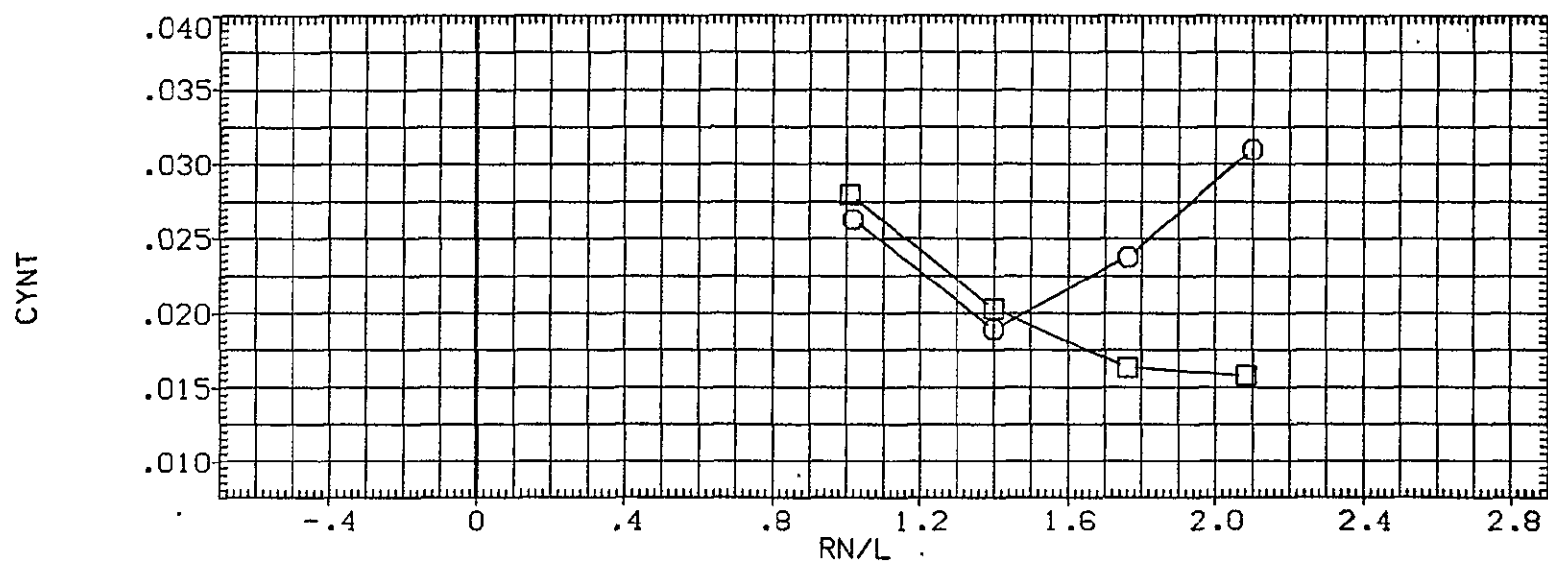
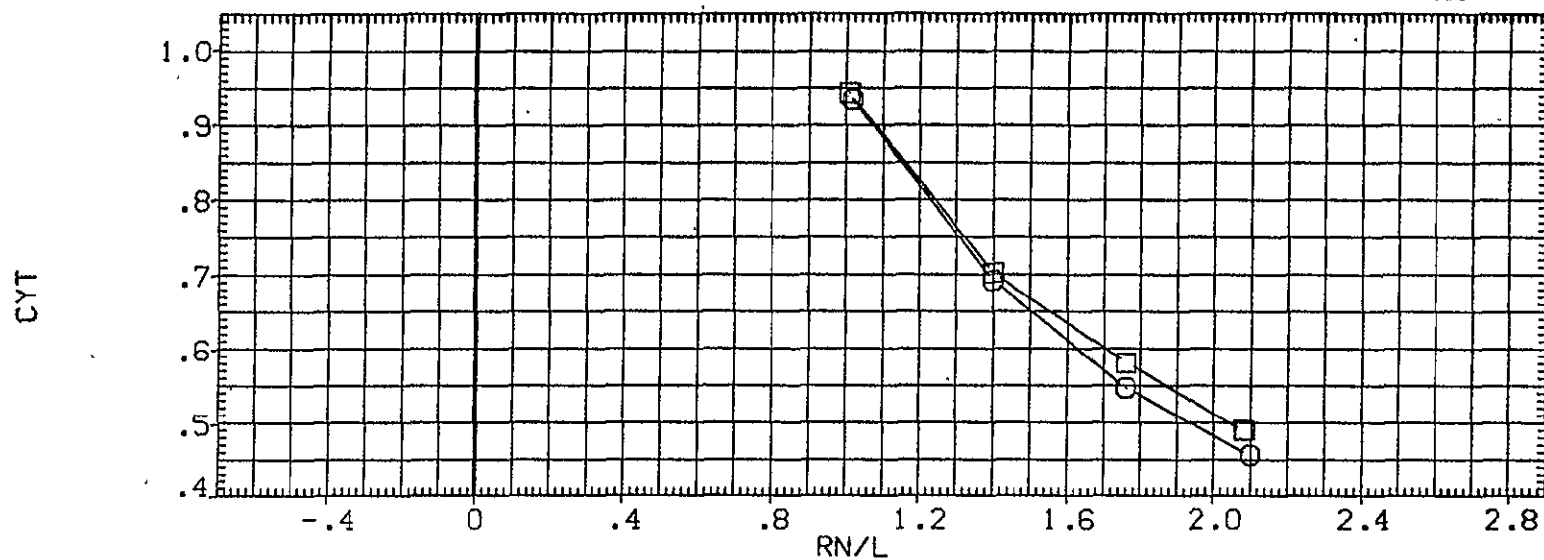
(A)MACH = 4.50

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(ST0564)	□ AEDC VA422 (A6) 01ET1S1 SRB DATA (O/ET SEPRNG)
(STL553)	□ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA	BETA	SRBPOS
.000	.000	3.300
.000	.000	3.300

REFERENCE INFORMATION		
SREF	2690.0000	SQ.FT.
LREF	1290.3000	IN.
BREF	1290.3000	IN.
XMRP	1167.0000	IN.XS
YMRP	.0000	IN.YS
ZMRP	400.0000	IN.ZS
SCALE	.0100	

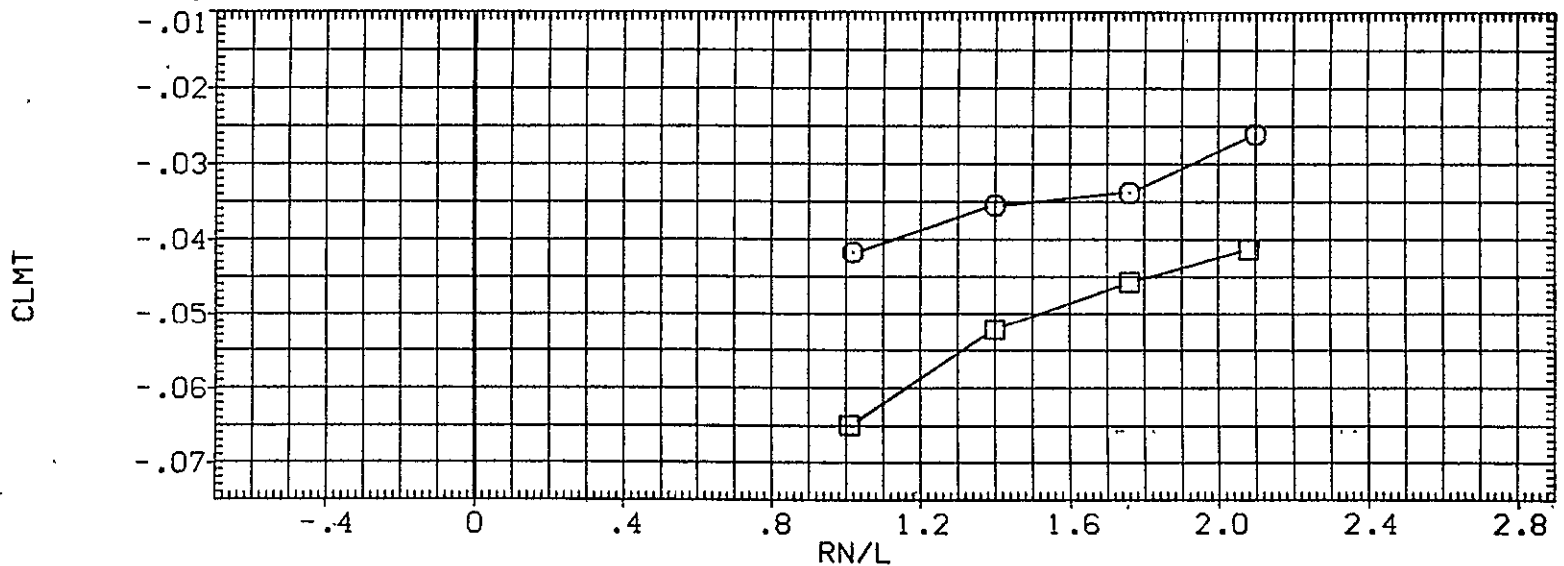
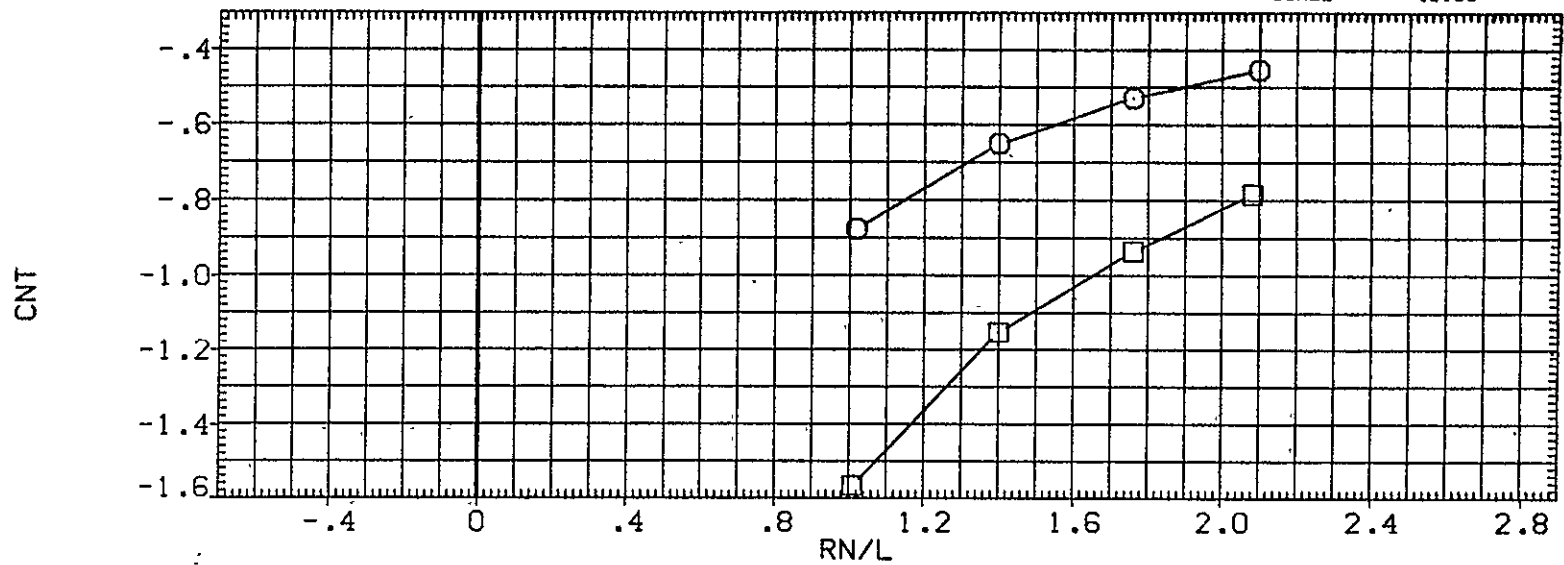


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 3.3)
 (A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ564)  AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTING)
 (STL553)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 .000 3.300
 .000 .000 3.300

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100

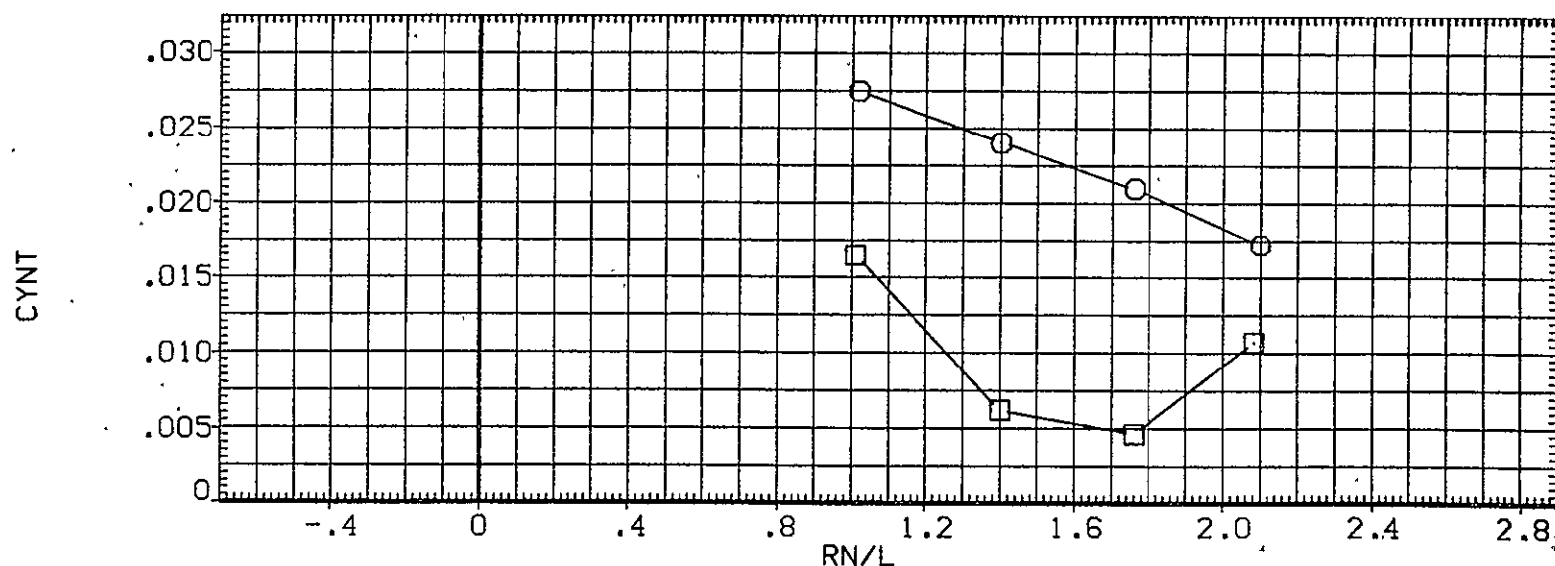
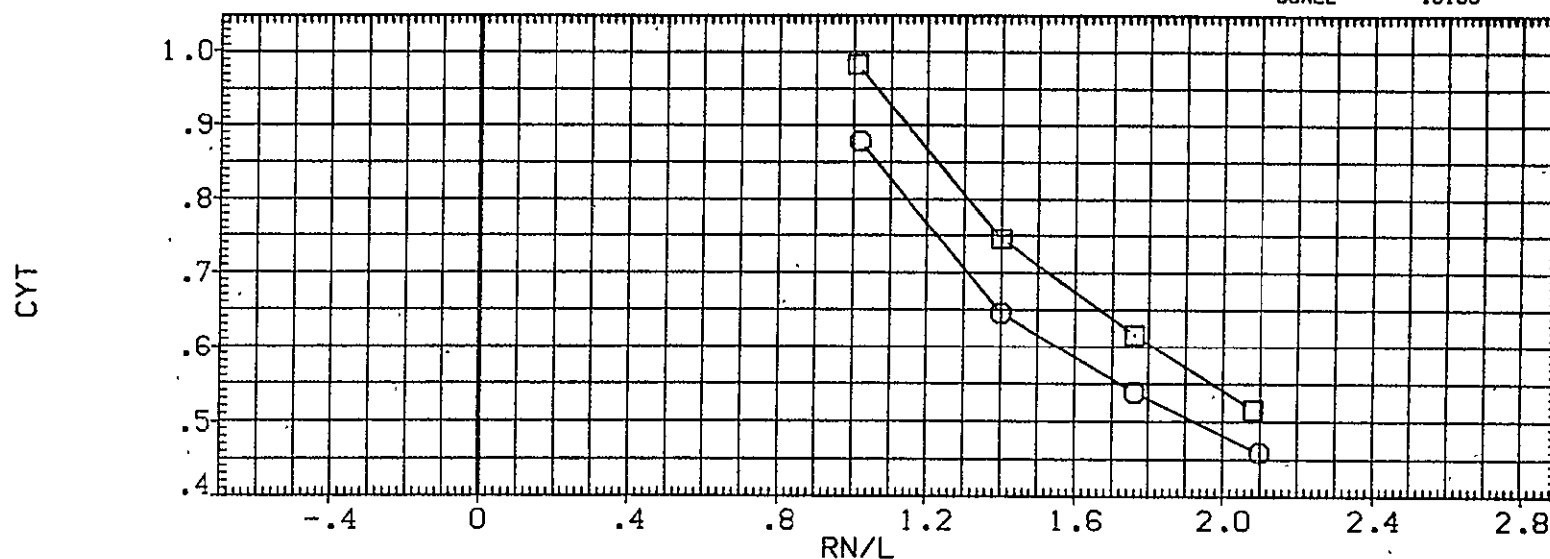


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 3.3)
 (A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0664) \square AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTING)
 (STL653) \square AEDC VA-422(1A-57), 0RB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 10.000 .000 3.300
 10.000 .000 3.300

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



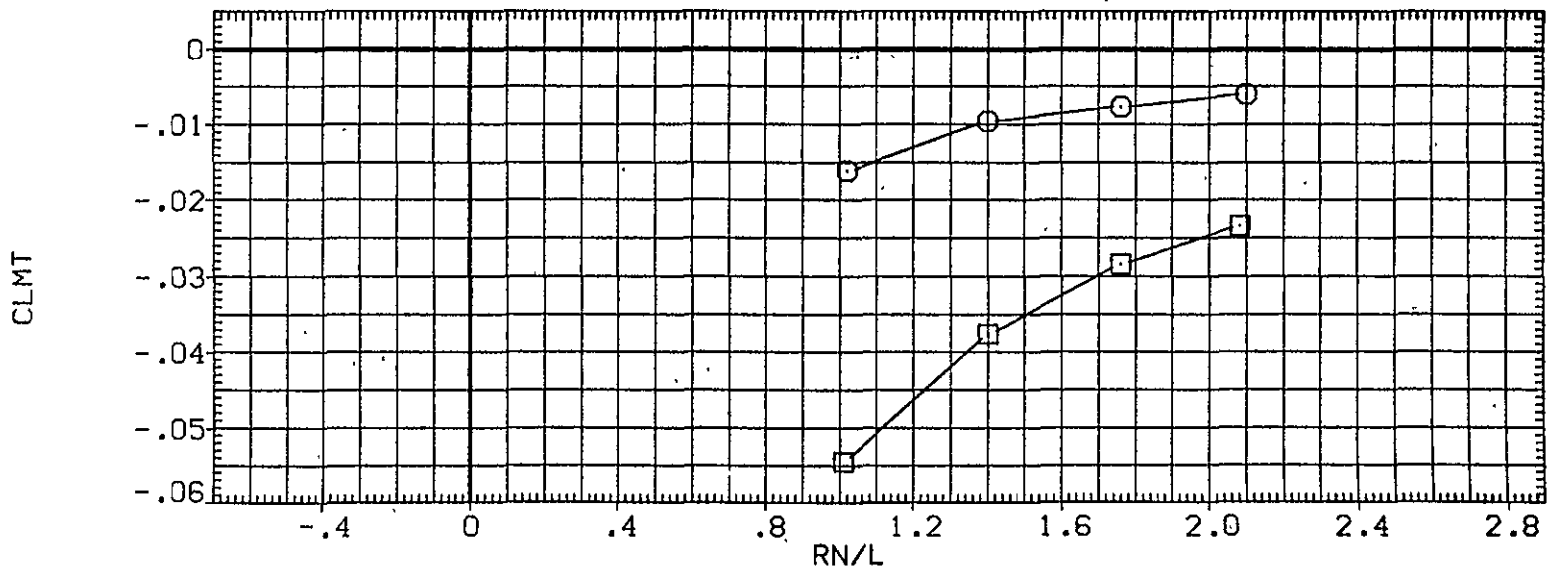
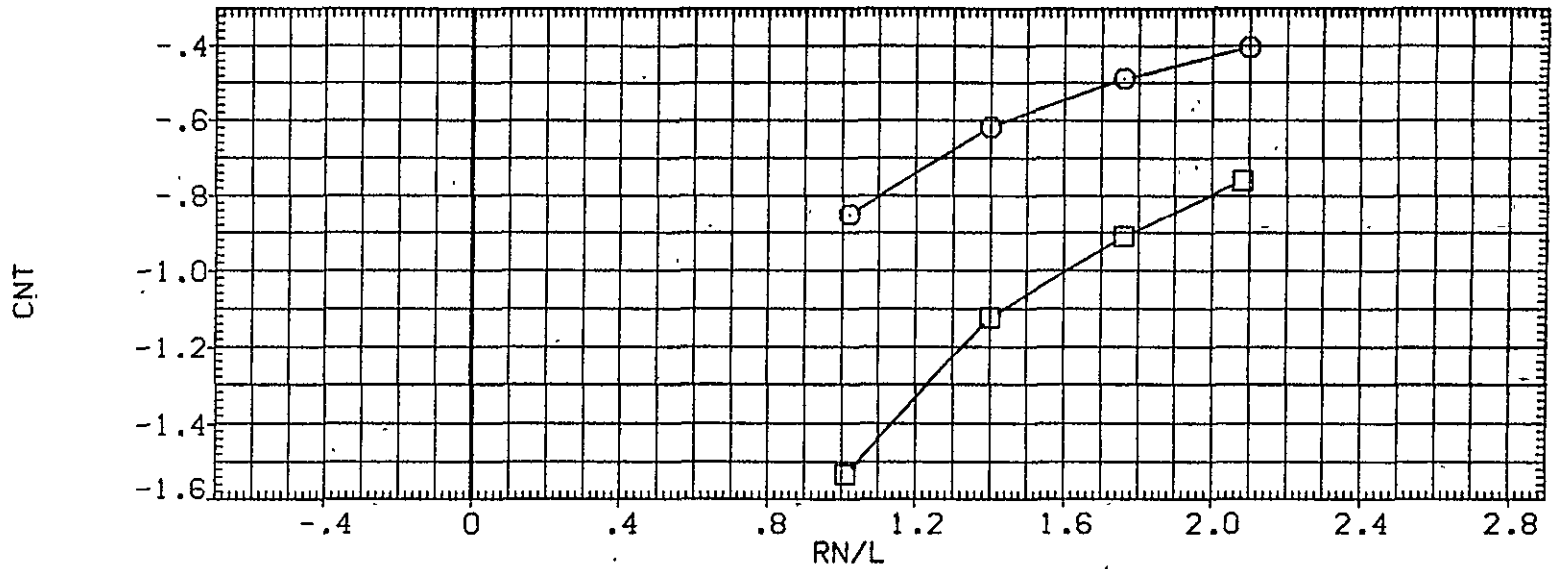
EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 3.3)

(A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0664) ☐ AEDC VA422 1A61 01ET1S1 SRB DATA (0/ET SEPRING)
 (STL653) ☐ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 10.000 .000 3.300
 10.000 .000 3.300

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100

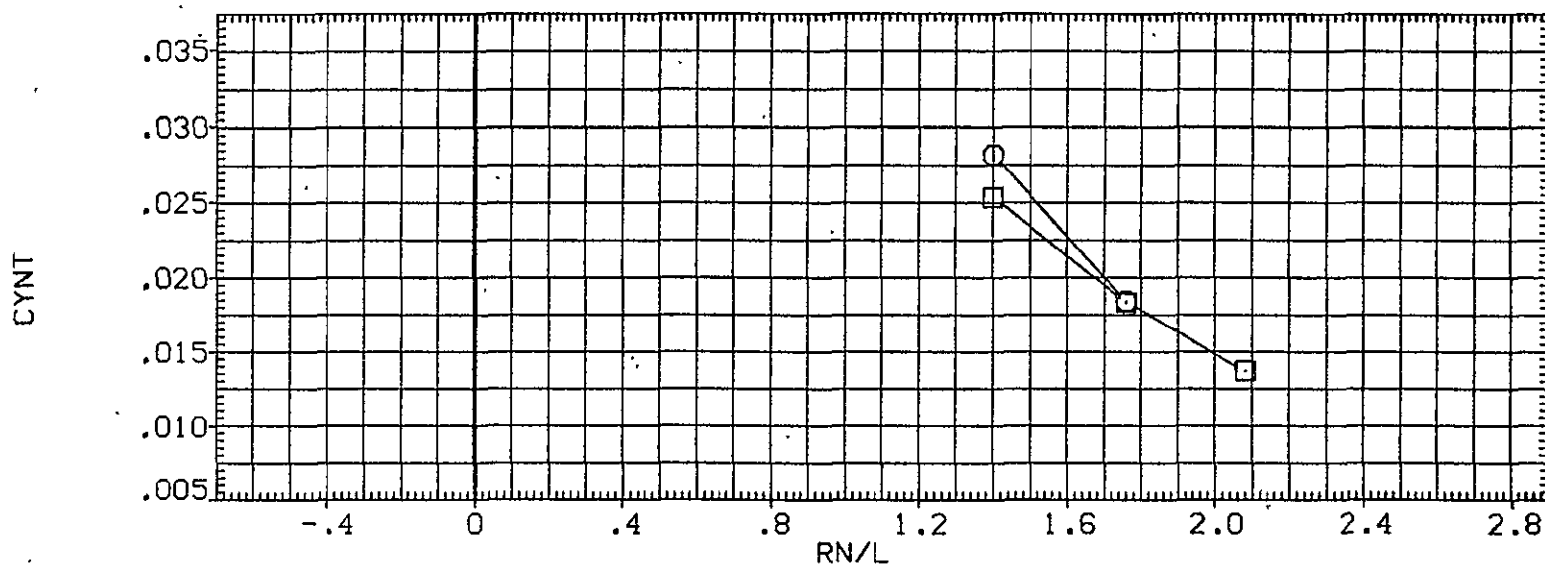
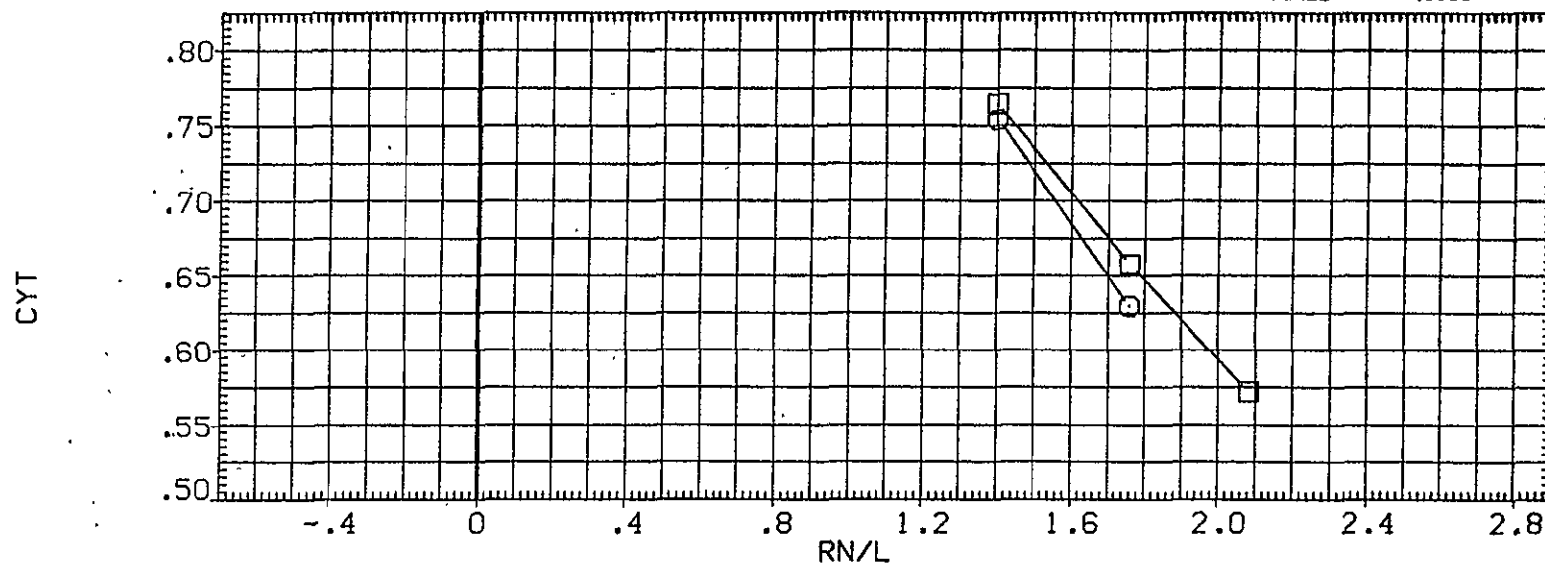


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 3.3)
 (A)MACH = 4.50



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ467) ☐ AEDC VA422 (A61 01ET1S) SRB DATA (0/ET SEPRNG)
 (STL455) ☐ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 -10.000 3.300
 .000 -10.000 3.300

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP -1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100

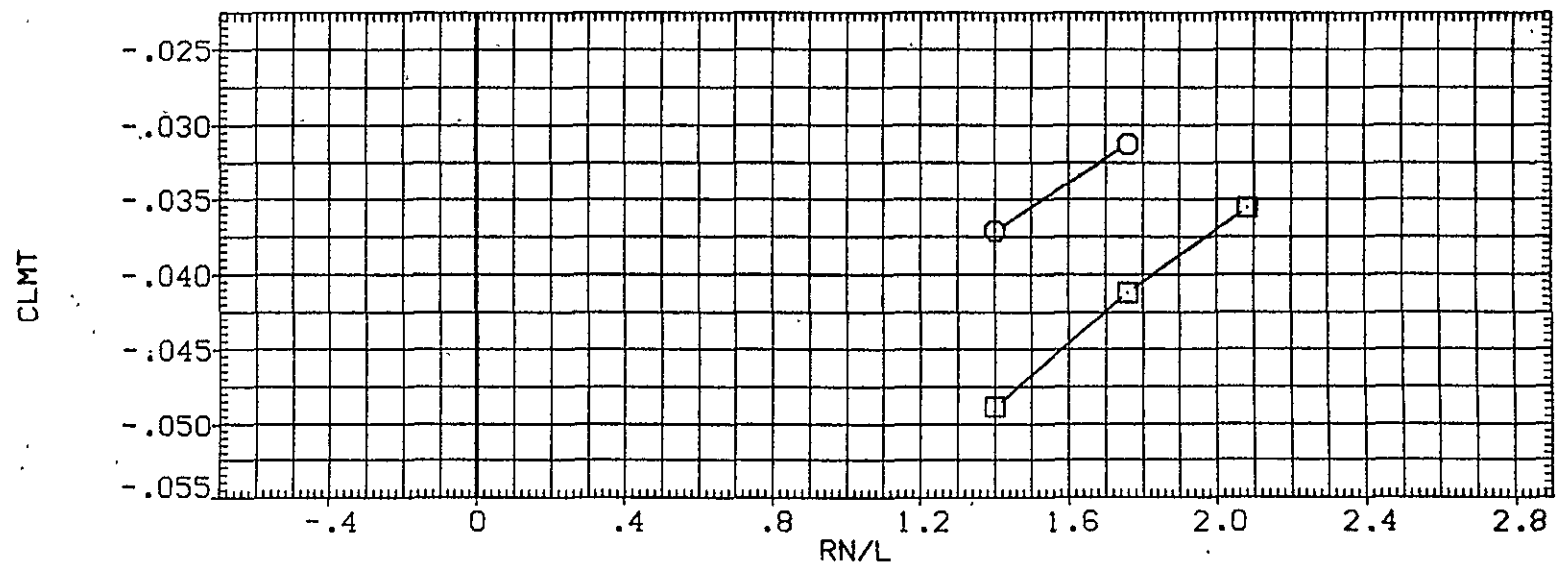
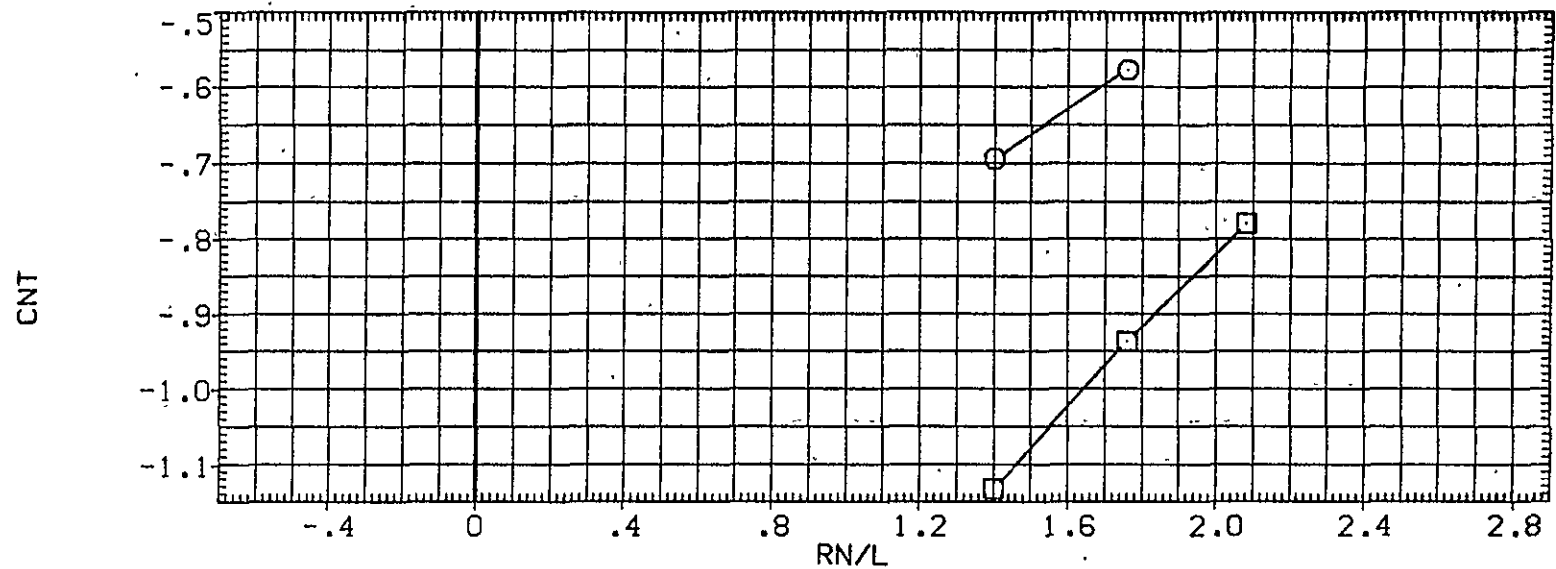


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 3.3)
 (A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0467)  AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)
 (STL455)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 -10.000 3.300
 .000 -10.000 3.300

REFERENCE INFORMATION
 SREF 2690.0000 50.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100

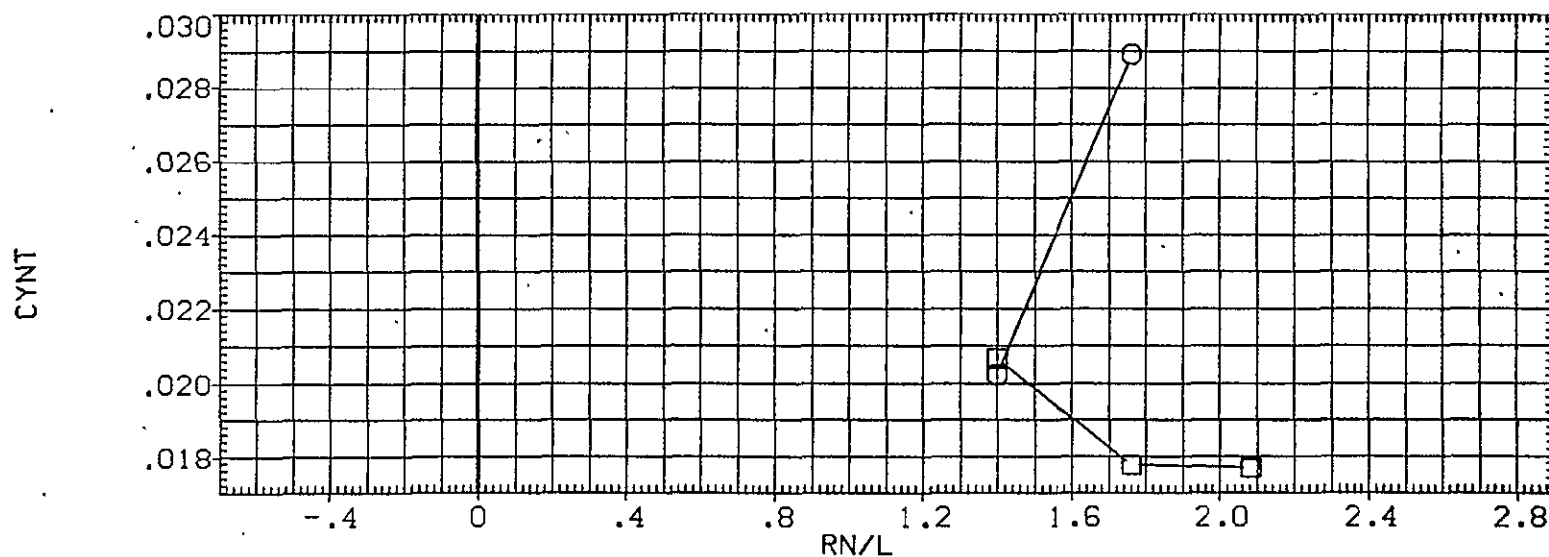
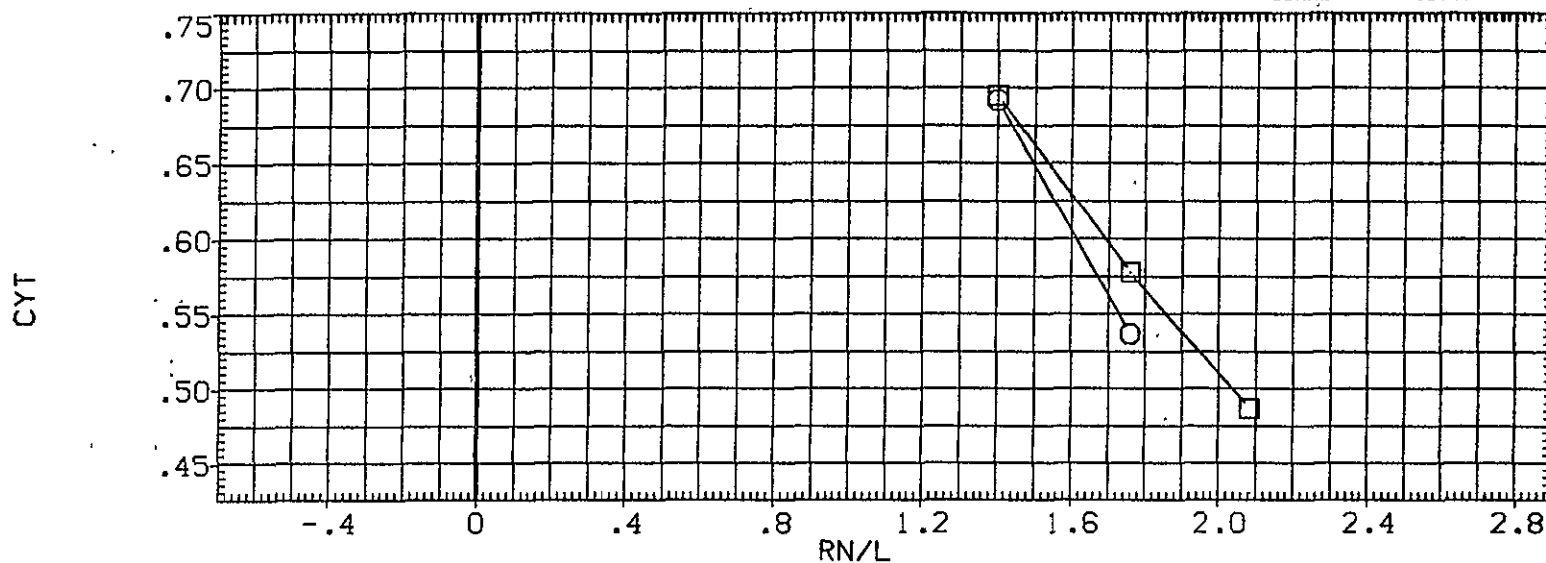


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 3.3)
 (A)MACH = 4.50



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0567) ☐ AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)
 (STL555) ☐ AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 .000 3.300
 .000 .000 3.300

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100

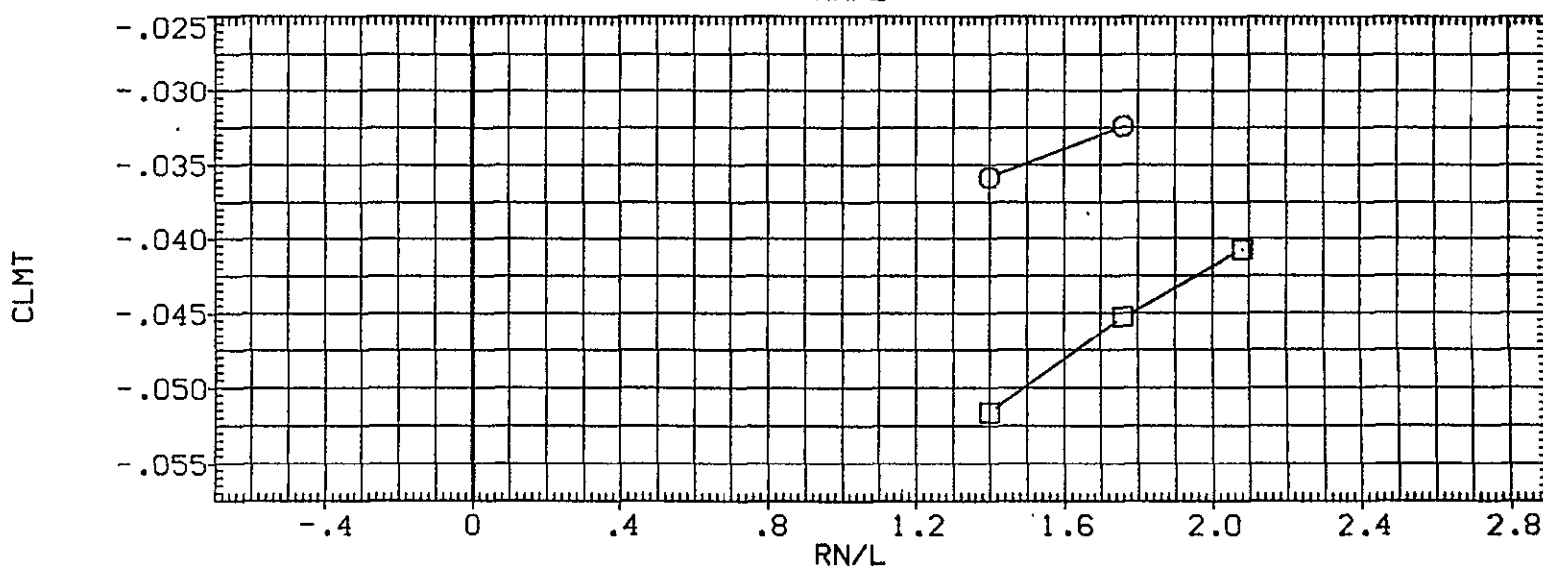
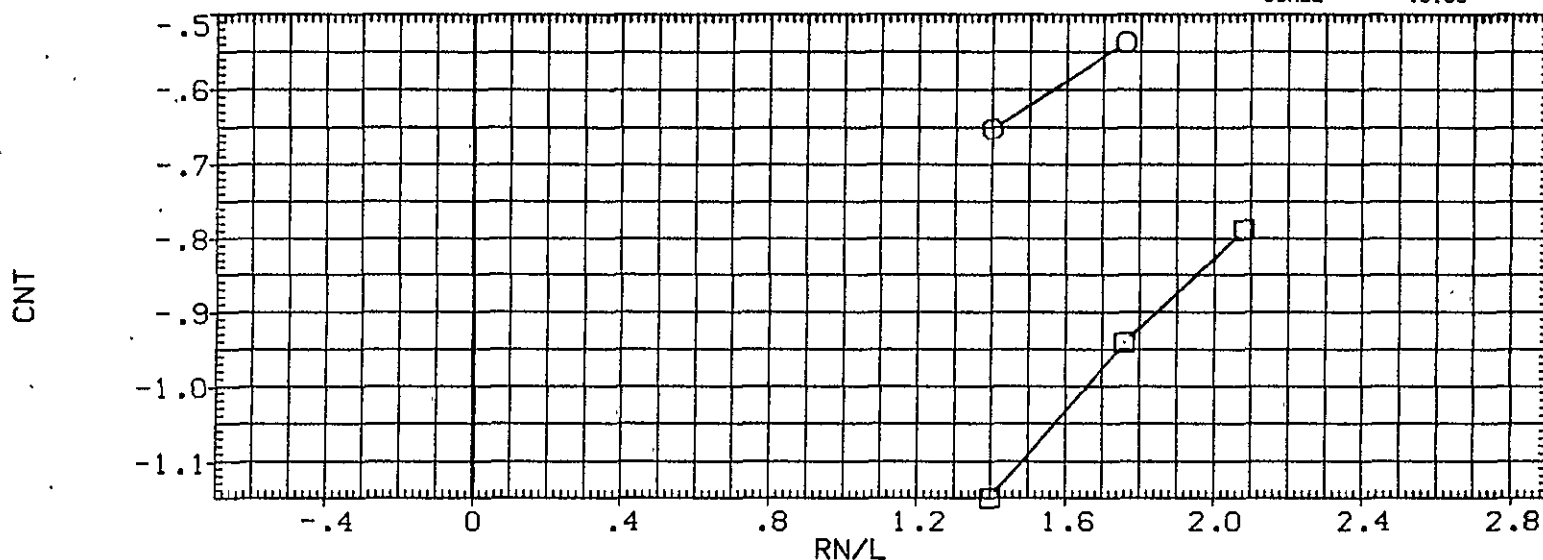


EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 3.3)
 (A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0567)  AEDC VA422 (A6) 01ET1S1 SRB DATA (O/ET SEPRING)
 (STL555)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 .000 3.300
 .000 .000 3.300



REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 3.3)

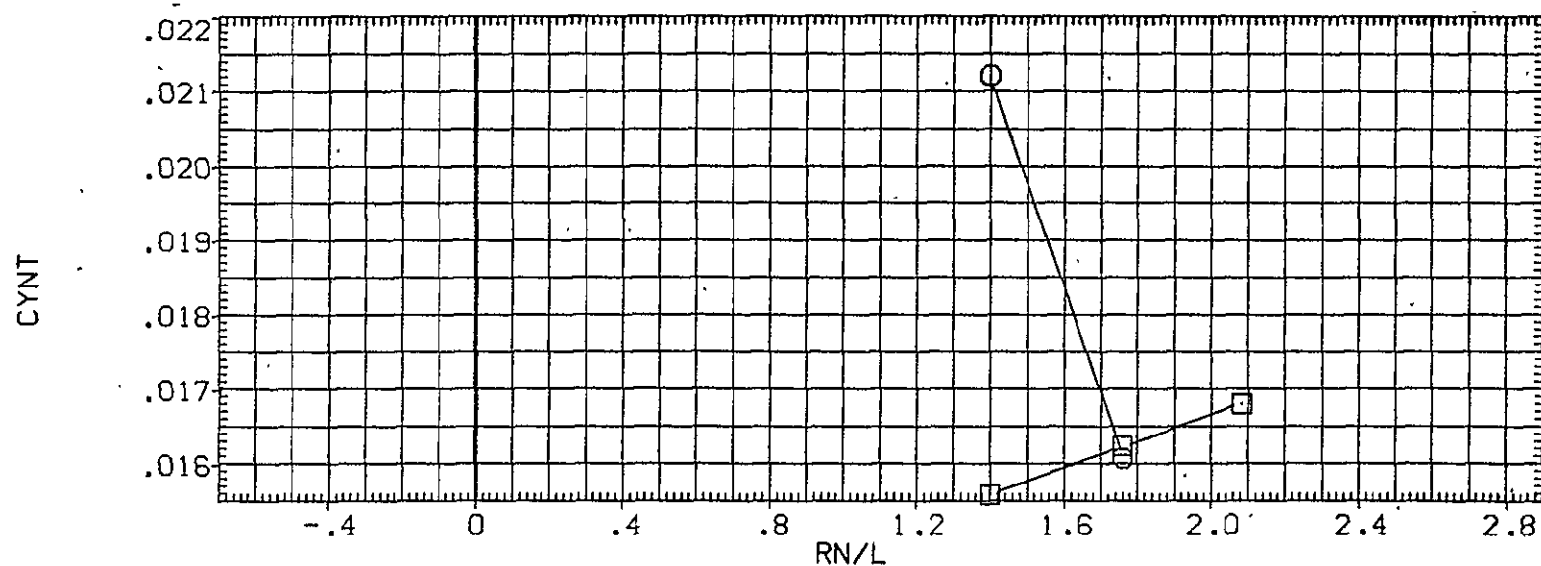
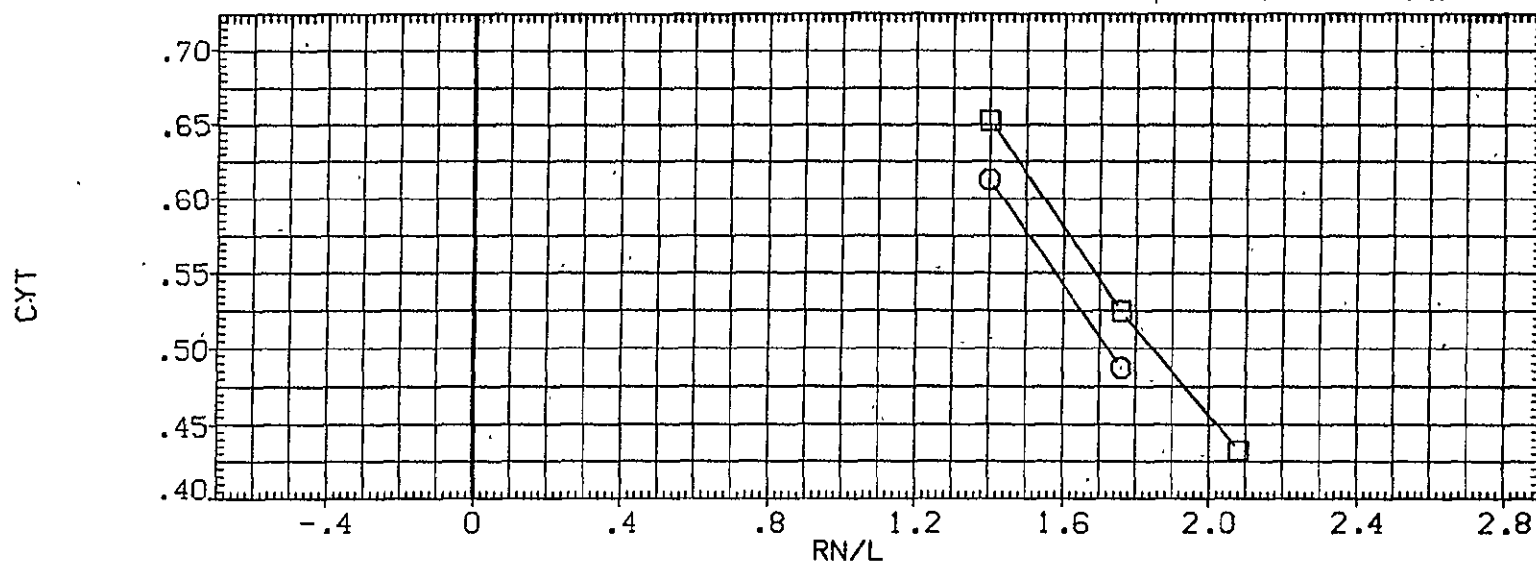
(A)MACH = 4.50

PAGE 430

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ST0667)  AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTING)
 (STL655)  AEDC VA-422(1A-57). ORB/ET W/BOTH SRB



ALPHA BETA SRBPOS
 .000 10.000 3.300
 .000 10.000 3.300

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



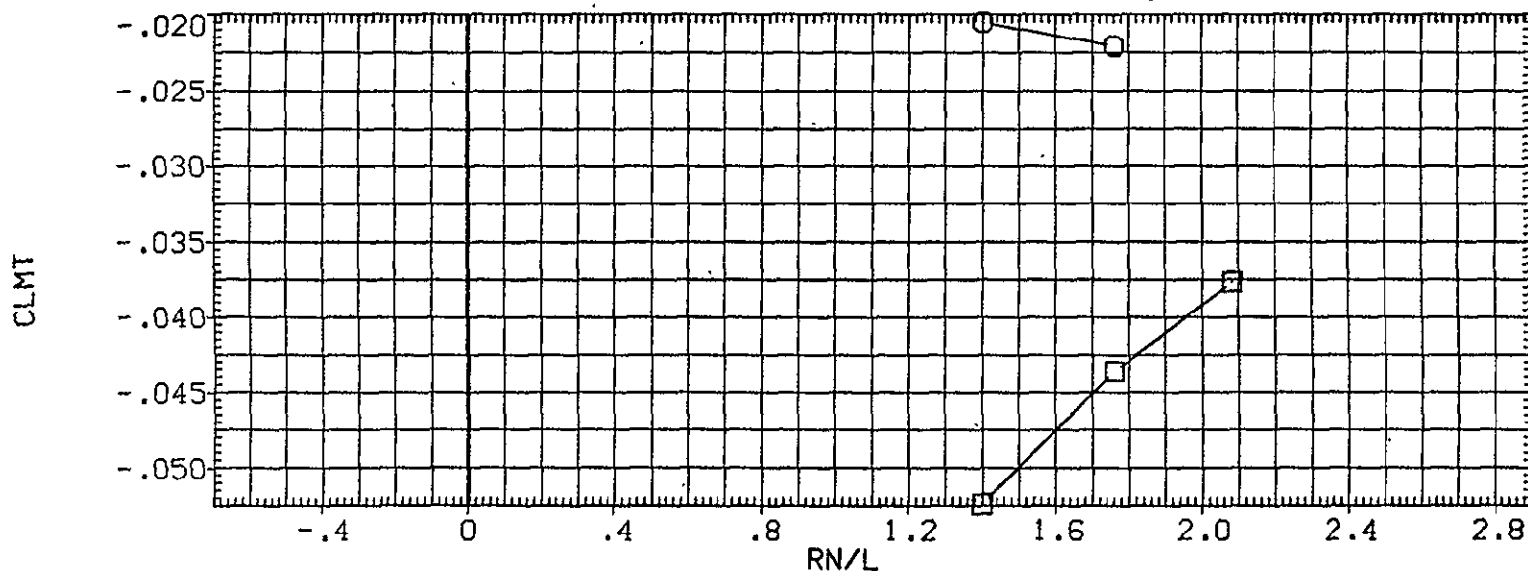
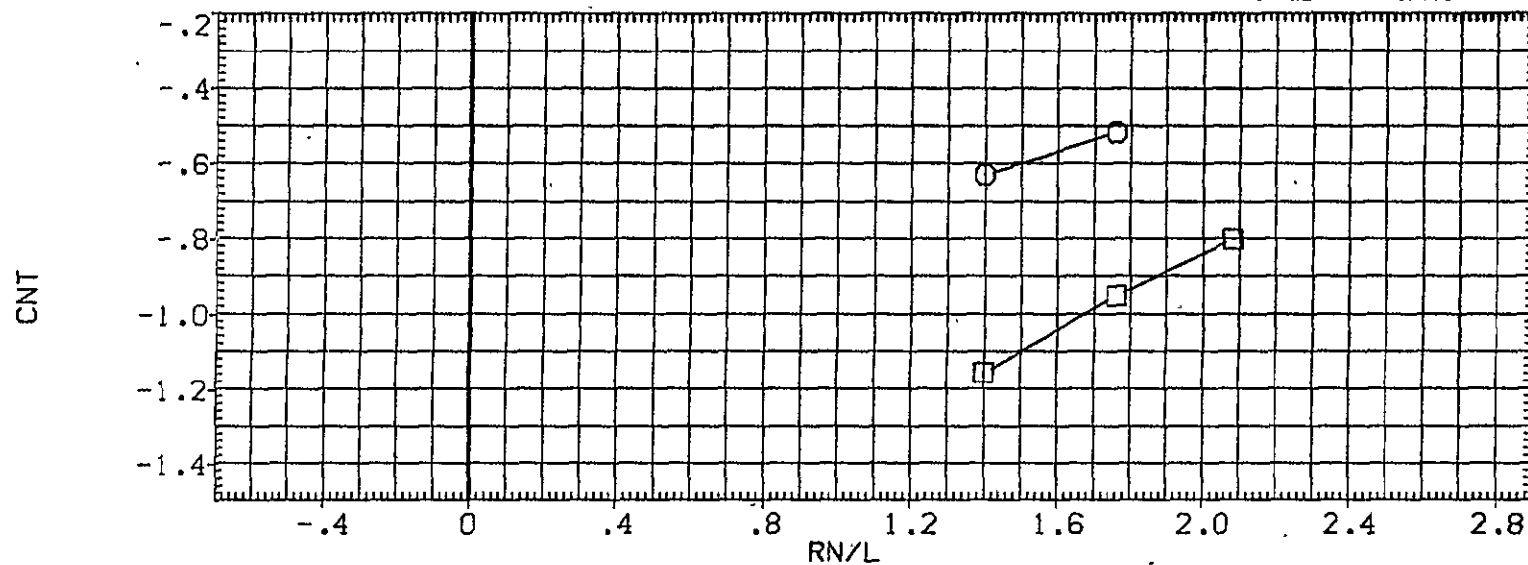
EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 3.3)

(A)MACH = 4.50

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (STQ667)  AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTING)
 (STL655)  AEDC VA-422(1A-57), ORB/ET W/BOTH SRB

ALPHA BETA SRBPOS
 .000 10.000 3.300
 .000 10.000 3.300

REFERENCE INFORMATION
 SREF 2690.0000 SQ.FT.
 LREF 1290.3000 IN.
 BREF 1290.3000 IN.
 XMRP 1167.0000 IN.XS
 YMRP .0000 IN.YS
 ZMRP 400.0000 IN.ZS
 SCALE .0100



EFFECT OF REYNOLDS NUMBER(TUNNEL TOTAL PRESS.) ON SRB AERO CHARACT(SRB POS 3.3)
 (A)MACH = 4.50

APPENDIX
TABULATED SOURCE DATA

Tabulations of plotted data are available on request from
Data Management Services.

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

PAGE 1

AEDC VA422 1A61 S RIGHT SRB

(STQ001) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = .000 R-SRB = 1.000
 SRBPOS = .100 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 114/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAB	CNT	CN	CLMT	CLM	CYT	CY	CYNT	CYN	PC-R	MT
4.500	-10.596	-.51198	-.05953	-.02565	-.01714	.48581	.03541	.02248	.00686	1495.60001	.93366
4.500	-9.595	-.51141	-.05884	-.02568	-.01717	.48140	.03087	.02210	.00648	1495.50000	.93723
4.500	-8.596	-.51058	-.05790	-.02642	-.01790	.47695	.02631	.02085	.00523	1495.30000	.93778
4.500	-7.600	-.50937	-.05707	-.02812	-.01961	.47087	.02060	.01952	.00390	1495.30000	.93647
4.500	-6.600	-.50664	-.05430	-.02906	-.02055	.46652	.01621	.01949	.00398	1495.30000	.93688
4.500	-5.576	-.49683	-.04429	-.02474	-.01623	.46844	.01794	.02200	.00638	1495.39999	.93815
4.500	-4.534	-.48132	-.02882	-.01653	-.00802	.47362	.02316	.02581	.01019	1495.39999	.93700
4.500	-3.528	-.47821	-.02599	-.01560	-.00709	.47105	.02087	.02545	.00984	1495.30000	.93746
4.500	-2.526	-.47739	-.02521	-.01540	-.00689	.46831	.01817	.02402	.00841	1495.30000	.93794
4.500	-1.519	-.47497	-.02253	-.01408	-.00556	.46831	.01791	.02277	.00716	1495.39999	.93750
4.500	-.512	-.47058	-.01856	-.01295	-.00444	.46881	.01882	.02143	.00583	1495.30000	.93659
4.500	.496	-.46594	-.01359	-.01212	-.00361	.47007	.01977	.02064	.00502	1495.20000	.93700
4.500	1.503	-.46057	-.00825	-.01151	-.00300	.47001	.01973	.02019	.00458	1495.20000	.93722
4.500	2.511	-.45436	-.00228	-.01095	-.00244	.46875	.01871	.02033	.00472	1495.20000	.93681
4.500	3.519	-.44796	.00411	-.01050	-.00199	.46762	.01758	.02062	.00502	1494.89999	.93608
4.500	4.527	-.44239	.00993	-.00981	-.00130	.46623	.01595	.02109	.00548	1495.00000	.93367
4.500	5.537	-.43704	.01495	-.00809	.00041	.46482	.01486	.02220	.00660	1495.00000	.93726
4.500	6.553	-.43034	.02207	-.00524	.00327	.46723	.01685	.02466	.00904	1495.30000	.93666
4.500	7.567	-.42266	.02965	-.00329	.00522	.46852	.01824	.02582	.01021	1495.10001	.93520
4.500	8.579	-.41461	.03763	-.00191	.00660	.46809	.01788	.02632	.01071	1494.89999	.93832
4.500	9.593	-.40594	.04618	-.00013	.00838	.46742	.01734	.02703	.01143	1495.00000	.93636
4.500	GRADIENT	.00437	.00435	.00076	.00076	-.00049	-.00047	-.00062	-.00062	-.04575	-.00028

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OF POOR QUALITY

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 S RIGHT SRB

(STQ002) (23 OCT 75)

REFERENCE DATA

SREF * 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = .000 R-SRB = 1.000
 SRBPOS = .100 PT-JET = 1500.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 113/ 0 RN/L = 1.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETAB	CNT	CN	CLMT	CLM	CYT	CY	CYNT	CYN	PC-R	MT
4.500	-10.565	-.48978	-.03707	-.01951	-.01099	.51509	.06442	.03277	.01715	1495.39999	.93524
4.500	-9.560	-.48647	-.03377	-.01987	-.01136	.51143	.06077	.03247	.01684	1495.89999	.93258
4.500	-8.561	-.48220	-.02970	-.01938	-.01087	.50807	.05761	.03342	.01780	1496.20000	.93274
4.500	-7.570	-.47497	-.02228	-.01731	-.00879	.50826	.05761	.03671	.02108	1495.70000	.93500
4.500	-6.559	-.47200	-.01947	-.01626	-.00775	.50222	.05172	.03483	.01921	1495.70000	.93452
4.500	-5.530	-.47575	-.02315	-.01876	-.01024	.49005	.03949	.028870	.01325	1496.20000	.93283
4.500	-4.515	-.47599	-.02345	-.01953	-.01102	.48342	.03292	.02585	.01023	1495.70000	.93556
4.500	-3.510	-.47393	-.02116	-.01849	-.00997	.48096	.03022	.02506	.00843	1495.80000	.93329
4.500	-2.502	-.47304	-.02022	-.01705	-.00853	.47723	.02645	.02370	.00807	1496.20000	.93578
4.500	-1.495	-.47308	-.02053	-.01510	-.00659	.47258	.02207	.02267	.00705	1495.89999	.93505
4.500	-.489	-.47336	-.02068	-.01324	-.00472	.46782	.01718	.02206	.00643	1495.70000	.93536
4.500	.517	-.47202	-.01933	-.01253	-.00401	.46303	.01238	.02164	.00601	1495.60001	.93270
4.500	1.523	-.47049	-.01757	-.01254	-.00402	.45780	.00692	.02109	.00546	1495.60001	.93277
4.500	2.530	-.46927	-.01677	-.01292	-.00440	.45095	.00048	.02065	.00503	1495.60001	.93615
4.500	3.538	-.46892	-.01613	-.01337	-.00485	.44469	-.00606	.01995	.00432	1496.39999	.93424
4.500	4.549	-.47071	-.01793	-.01485	-.00633	.43764	-.01310	.01830	.00267	1495.89999	.93432
4.500	5.571	-.47735	-.02481	-.01896	-.01045	.42687	-.02363	.01419	-.00143	1495.80000	.93564
4.500	6.585	-.47878	-.02592	-.02031	-.01179	.42005	-.03076	.01169	-.00394	1495.80000	.93605
4.500	7.596	-.47669	-.02431	-.02079	-.01228	.41420	-.03614	.00963	-.00598	1496.00000	.93361
4.500	8.602	-.47438	-.02163	-.02050	-.01198	.41045	-.04026	.00868	-.00695	1495.60001	.93596
4.500	9.603	-.47130	-.01886	-.01880	-.01028	.40619	-.04421	.00944	-.00617	1495.89999	.93592
	GRADIENT	.00067	.00068	.00064	.00064	-.00510	-.00511	-.00075	-.00075	.01205	-.00007

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 S RIGHT SRB

(STQ003) (23 OCT '75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = .000 R-SRB = 2.000
 SRBPOS = .200 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 115/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAB	CNT	CN	CLMT	CLM	CYT	CY	CYNT	CYN	PC-R	MT
4.500	-13.755	-.53383	-.08046	-.02457	-.01604	.52011	.06877	.03091	.01526	1498.50000	.94585
4.500	-12.741	-.52801	-.07478	-.02308	-.01456	.51830	.06711	.03214	.01650	1498.00000	.94545
4.500	-11.728	-.52237	-.06881	-.02208	-.01354	.51788	.06636	.03373	.01807	1498.20000	.94724
4.500	-10.719	-.51880	-.06538	-.02170	-.01317	.51392	.06255	.03441	.01876	1498.30000	.94479
4.500	-9.710	-.51511	-.06170	-.02139	-.01286	.51015	.05879	.03526	.01961	1498.00000	.94702
4.500	-8.704	-.51186	-.05816	-.02189	-.01335	.50625	.05460	.03568	.02002	1498.39999	.94802
4.500	-7.695	-.50571	-.05245	-.02211	-.01358	.50425	.05304	.03706	.02141	1498.30000	.94684
4.500	-6.689	-.50079	-.04709	-.02319	-.01465	.50330	.05163	.03724	.02157	1498.39999	.94651
4.500	-5.683	-.49555	-.04214	-.02416	-.01563	.50185	.05048	.03699	.02133	1498.00000	.94715
4.500	-4.682	-.49292	-.03958	-.02588	-.01735	.49978	.04849	.03644	.02080	1498.10001	.94656
4.500	-3.684	-.49188	-.03862	-.02794	-.01942	.49712	.04590	.03564	.01999	1497.89999	.94421
4.500	-2.660	-.48602	-.03241	-.02374	-.01521	.49034	.03878	.02993	.01427	1498.00000	.94668
4.500	-1.641	-.48047	-.02722	-.02064	-.01211	.48502	.03381	.02584	.01020	1498.20000	.94907
4.500	-.626	-.47464	-.02174	-.01901	-.01049	.48558	.03472	.02615	.01051	1497.70000	.94662
4.500	.390	-.46807	-.01478	-.01733	-.00880	.48831	.03706	.02797	.01232	1497.89999	.94630
4.500	1.413	-.45761	-.00435	-.01448	-.00595	.49382	.04260	.03198	.01634	1498.20000	.94828
4.500	2.428	-.44979	.00353	-.01339	-.00486	.49468	.04340	.03312	.01747	1498.10001	.94989
4.500	3.440	-.44325	.01004	-.01281	-.00428	.49420	.04295	.03292	.01727	1498.10001	.94676
4.500	4.452	-.43754	.01575	-.01203	-.00350	.49378	.04253	.03213	.01648	1498.20000	.95033
4.500	5.464	-.43246	.02114	-.01106	-.00252	.49349	.04193	.03125	.01559	1498.60001	.94793
4.500	6.475	-.42778	.02569	-.01027	-.00174	.49183	.04040	.03005	.01440	1498.80000	.94872
	GRADIENT	.00653	.00652	.00180	.00180	-.00014	-.00013	-.00013	-.00013	.01793	.00039

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 S RIGHT SRB

(STQ004) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = .000 R-SRB = 2.000
 SRBPOS = .200 PT-JET = 1500.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 116/ 0 RN/L = 1.77 GRADIENT INTERVAL * -5.00/ 5.00

MACH	BETAB	CNT	CN	CLMT	CLM	CYT	CY	CYNT	CYN	PC-R	MT
4.500	-15.074	-.52194	-.06806	-.02435	-.01582	.53066	.07883	.03101	.01534	1500.70000	.94979
4.500	-14.074	-.51919	-.06512	-.02456	-.01602	.53098	.07896	.03127	.01559	1500.50000	.95046
4.500	-13.072	-.51684	-.06255	-.02505	-.01650	.52883	.07679	.03135	.01567	1500.60001	.94946
4.500	-12.063	-.51602	-.06196	-.02707	-.01853	.52300	.07099	.03008	.01441	1500.80000	.95017
4.500	-11.057	-.51221	-.05828	-.02845	-.01991	.51904	.06715	.02936	.01369	1500.80000	.94736
4.500	-10.053	-.50852	-.05432	-.02948	-.02093	.51578	.06363	.02911	.01343	1500.80000	.94863
4.500	-9.051	-.50424	-.05021	-.02978	-.02124	.51087	.05889	.02978	.01411	1500.80000	.94932
4.500	-8.049	-.50160	-.04758	-.02975	-.02121	.50559	.05362	.03079	.01512	1501.10001	.94862
4.500	-7.049	-.50020	-.04617	-.02970	-.02115	.50031	.04832	.03220	.01652	1500.70000	.94869
4.500	-6.063	-.49533	-.04117	-.02844	-.01990	.50095	.04884	.03678	.02111	1500.89999	.94735
4.500	-5.058	-.49404	-.04017	-.02817	-.01964	.49750	.04567	.03588	.02022	1500.80000	.94370
4.500	-4.047	-.49484	-.04085	-.02774	-.01920	.49176	.04001	.03409	.01843	1500.20000	.94508
4.500	-3.025	-.49059	-.03708	-.02405	-.01552	.48293	.03146	.02957	.01391	1500.20000	.94331
4.500	-2.013	-.48212	-.02843	-.01725	-.00871	.47866	.02701	.02690	.01124	1499.80000	.94235
4.500	-1.009	-.47916	-.02558	-.01536	-.00682	.47544	.02392	.02658	.01092	1499.39999	.94487
4.500	-.001	-.47921	-.02608	-.01572	-.00719	.46980	.01871	.02563	.00998	1499.89999	.93963
4.500	1.014	-.48353	-.03022	-.01883	-.01030	.46120	.00993	.02310	.00745	1499.10001	.94479
4.500	2.039	-.49193	-.03835	-.02443	-.01589	.44855	-.00299	.01861	.00295	1499.10001	.94485
4.500	3.054	-.49331	-.04004	-.02638	-.01785	.43952	-.01170	.01644	.00080	1499.89999	.94484
4.500	4.061	-.49206	-.03895	-.02593	-.01740	.43356	-.01751	.01572	.00008	1499.80000	.94473
4.500	5.065	-.49054	-.03702	-.02462	-.01609	.42959	-.02199	.01557	-.00009	1499.00000	.94516
	GRADIENT	-.00036	-.00043	-.00029	-.00029	-.00720	-.00713	-.00219	-.00219	-.18409	.00012

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 S RIGHT SRB

(STQ005) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = .000 R-SRB = 3.000
 SRBPOS = .300 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 118/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CN	CLMT	CLM	CYT	CY	CYNT	CYN	PC-R	MT
4.500	-18.868	-.59719	-.14251	-.02555	-.01699	.57034	.11771	.03783	.02213	1504.30000	.95195
4.500	-17.847	-.59013	-.13467	-.02725	-.01868	.56719	.11379	.03865	.02293	1504.30000	.95053
4.500	-16.826	-.58214	-.12708	-.02881	-.02025	.56270	.10968	.03936	.02365	1504.20000	.95274
4.500	-15.804	-.57497	-.11963	-.03042	-.02185	.55900	.10572	.03995	.02424	1504.20000	.95210
4.500	-14.783	-.56926	-.11413	-.03154	-.02297	.55176	.09869	.03876	.02305	1503.89999	.95188
4.500	-13.764	-.56271	-.10753	-.03377	-.02520	.54482	.09170	.03789	.02218	1504.00000	.95217
4.500	-12.743	-.55614	-.10131	-.03517	-.02661	.53885	.08607	.03688	.02118	1503.70000	.95018
4.500	-11.719	-.55084	-.09585	-.03551	-.02695	.53458	.08163	.03626	.02055	1503.89999	.94972
4.500	-10.694	-.54551	-.09059	-.03531	-.02675	.53134	.07846	.03549	.01978	1503.89999	.95203
4.500	-9.667	-.54022	-.08548	-.03446	-.02590	.52862	.07593	.03469	.01899	1503.70000	.95135
4.500	-8.639	-.53611	-.08123	-.03324	-.02468	.52651	.07368	.03421	.01851	1503.30000	.94849
4.500	-7.612	-.53182	-.07709	-.03223	-.02368	.52465	.07197	.03354	.01784	1503.10001	.94744
4.500	-6.563	-.51756	-.06306	-.02720	-.01865	.52640	.07395	.03300	.01731	1502.70000	.95156
4.500	-5.540	-.51392	-.05925	-.02718	-.01863	.52531	.07278	.03137	.01567	1502.70000	.95229
4.500	-4.521	-.51142	-.05693	-.02802	-.01947	.52196	.06951	.02951	.01382	1502.80000	.95266
4.500	-3.500	-.50901	-.05422	-.02805	-.01949	.51900	.06626	.02891	.01322	1502.80000	.95139
4.500	-2.456	-.50082	-.04599	-.02280	-.01424	.52105	.06827	.03136	.01555	1502.70000	.95136
4.500	-1.426	-.49495	-.04044	-.02080	-.01224	.51924	.06677	.03209	.01640	1502.60001	.94854
4.500	-.395	-.48951	-.03491	-.01863	-.01008	.51728	.06473	.03332	.01763	1502.50000	.94835
4.500	.636	-.48404	-.02930	-.01662	-.00807	.51510	.06241	.03473	.01903	1502.50000	.94861
4.500	1.665	-.47826	-.02371	-.01484	-.00629	.51284	.06033	.03600	.02031	1502.20000	.95061
	GRADIENT	.00556	.00556	.00230	.00230	-.00135	-.00134	.00114	.00114	-.09000	-.00051

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 S RIGHT SRB

(STQ006) (23 OCT 75)

REFERENCE DATA

SREF = 2530.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = .000 R-SRB = 3.000
 SRBPOS = .300 PT-JET = 1500.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 117/ 0 RN/L = 1.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETAB	CNT	CN	CLMT	CLM	CYT	CY	CYNT	CYN	PC-R	MT
4.500	-21.130	-.57329	-.11936	-.02993	-.02139	.58402	.13214	.03484	.01917	1499.80000	.96065
4.500	-20.124	-.57085	-.11686	-.03005	-.02151	.58222	.13028	.03362	.01795	1500.50000	.96014
4.500	-19.119	-.56735	-.11297	-.03052	-.02197	.58033	.12800	.03262	.01693	1501.50000	.95825
4.500	-18.114	-.56183	-.10755	-.03148	-.02294	.57700	.12476	.03197	.01628	1502.00000	.95780
4.500	-17.111	-.55666	-.10209	-.03211	-.02356	.57219	.11957	.03267	.01697	1502.30000	.95597
4.500	-16.098	-.55309	-.09834	-.03234	-.02379	.55893	.10622	.03239	.01669	1502.89999	.95717
4.500	-15.085	-.55005	-.09522	-.03268	-.02412	.54964	.09687	.03083	.01513	1503.10001	.95440
4.500	-14.082	-.54615	-.09128	-.03301	-.02445	.54527	.09245	.03129	.01559	1503.20000	.95422
4.500	-13.081	-.54317	-.08820	-.03288	-.02432	.54002	.08711	.03264	.01694	1503.50000	.95499
4.500	-12.079	-.54009	-.08516	-.03260	-.02404	.53273	.07985	.03388	.01817	1503.70000	.95395
4.500	-11.075	-.53724	-.08210	-.03286	-.02430	.52643	.07333	.03448	.01876	1503.89999	.95258
4.500	-10.071	-.53443	-.07933	-.03317	-.02461	.52076	.06771	.03507	.01936	1503.80000	.95314
4.500	-9.069	-.53088	-.07573	-.03370	-.02513	.51652	.06342	.03562	.01991	1504.10001	.95239
4.500	-8.068	-.52803	-.07280	-.03322	-.02466	.51307	.05989	.03648	.02076	1504.39999	.95168
4.500	-7.073	-.51647	-.06105	-.02514	-.01657	.51627	.06290	.03727	.02155	1504.30000	.95222
4.500	-6.073	-.51314	-.05786	-.02277	-.01420	.51383	.06060	.03786	.02215	1504.80000	.95151
4.500	-5.062	-.51307	-.05771	-.02189	-.01312	.50719	.05388	.03603	.02031	1505.10001	.95288
4.500	-4.025	-.51930	-.06417	-.02503	-.01647	.49312	.04004	.02798	.01227	1505.00000	.95042
4.500	-3.002	-.52245	-.06715	-.02709	-.01852	.48511	.03187	.02282	.00711	1504.80000	.95091
4.500	-1.996	-.51923	-.06400	-.02649	-.01793	.48282	.02963	.02178	.00607	1504.70000	.94996
4.500	-.993	-.51433	-.05915	-.02635	-.01778	.48069	.02755	.02119	.00547	1504.60001	.95144
4.500	GRADIENT	.00179	.00180	-.00033	-.00033	-.00392	-.00394	-.00212	-.00213	-.12685	.00021

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TABULATED SOURCE DATA. AEDC VA 422. 1A61

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AEDC VA422 1A61 S1 RIGHT AND LEFT SRB

(STQ007) (23 OCT 75)

REFERENCE DATA

SREF * 2690.0000 SQ.FT. XMRP * 1167.0000 IN.XS
 LREF * 1290.3000 IN. YMRP * .0000 IN.YS
 BREF * 1290.3000 IN. ZMRP * 400.0000 IN.ZS
 SCALE * .0100

PARAMETRIC DATA

L-SRB * 1.000 R-SRB * 1.000
 SRBPOS * 1.100 PT-JET * .000
 RN/L * 1.760 BETA * .000
 TO-JET * 100.000 X * .000
 Y * .000 Z * .000

RUN NO. 124/ 0 RN/L * 1.76 GRADIENT INTERVAL * -5.00/ 5.00

MACH	ALPHAB	CNT	CN	CLMT	CLM	CYT	CY	CYNT	CYN	PC-R	MT
4.500	-10.071	-.05567	-.05567	-.00437	-.00437	.00086	.00086	-.00114	-.00114	.00000	.00000
4.500	-9.062	-.04821	-.04821	-.00397	-.00397	.00099	.00099	-.00115	-.00115	.00000	.00000
4.500	-8.053	-.04057	-.04057	-.00369	-.00369	.00152	.00152	-.00130	-.00130	.00000	.00000
4.500	-7.045	-.03382	-.03382	-.00338	-.00338	.00150	.00150	-.00124	-.00124	.00000	.00000
4.500	-6.038	-.02713	-.02713	-.00312	-.00312	.00139	.00139	-.00120	-.00120	.00000	.00000
4.500	-5.030	-.02111	-.02111	-.00257	-.00257	.00135	.00135	-.00131	-.00131	.00000	.00000
4.500	-4.022	-.01583	-.01583	-.00194	-.00194	.00165	.00165	-.00163	-.00163	.00000	.00000
4.500	-3.016	-.01117	-.01117	-.00139	-.00139	.00216	.00216	-.00195	-.00195	.00000	.00000
4.500	-2.009	-.00613	-.00613	-.00103	-.00103	.00201	.00201	-.00178	-.00178	.00000	.00000
4.500	-1.003	-.00134	-.00134	-.00067	-.00067	.00128	.00128	-.00132	-.00132	.00000	.00000
4.500	.001	.00270	.00270	-.00057	-.00057	.00111	.00111	-.00122	-.00122	.00000	.00000
4.500	1.006	.00783	.00783	-.00055	-.00055	.00111	.00111	-.00126	-.00126	.00000	.00000
4.500	2.012	.01225	.01225	.00002	.00002	.00084	.00084	-.00113	-.00113	.00000	.00000
4.500	3.019	.01613	.01613	.00097	.00097	.00058	.00058	-.00096	-.00096	.00000	.00000
4.500	4.026	.02090	.02090	.00167	.00167	.00086	.00086	-.00106	-.00106	.00000	.00000
4.500	5.033	.02636	.02636	.00221	.00221	.00172	.00172	-.00138	-.00138	.00000	.00000
4.500	6.040	.03219	.03219	.00271	.00271	.00246	.00246	-.00168	-.00168	.00000	.00000
4.500	7.048	.03867	.03867	.00313	.00313	.00277	.00277	-.00186	-.00186	.00000	.00000
4.500	8.056	.04543	.04543	.00354	.00354	.00257	.00257	-.00183	-.00183	.00000	.00000
4.500	9.064	.05233	.05233	.00390	.00390	.00229	.00229	-.00174	-.00174	.00000	.00000
4.500	10.072	.05983	.05983	.00420	.00420	.00200	.00200	-.00166	-.00166	.00000	.00000
	GRADIENT	.00455	.00455	.00039	.00039	-.00017	-.00017	.00011	.00011	.00000	.00000

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 OF POOR QUALITY

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 S1 RIGHT AND LEFT SRB

(STQ008) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 125/ 0 RN/L = 1.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CN	CLMT	CLM	CYT	CY	CYNT	CYN	PC-R	MT
4.500	-10.628	-.52847	-.07427	-.03068	-.02213	.53817	.08602	.03942	.02374	1501.30000	1.89320
4.500	-9.620	-.52333	-.06950	-.02951	-.02097	.53026	.07847	.04010	.02444	1501.00000	1.89550
4.500	-8.614	-.51957	-.06563	-.02906	-.02052	.52356	.07166	.03875	.02308	1500.80000	1.89640
4.500	-7.608	-.51546	-.06134	-.02848	-.01993	.51834	.06626	.03778	.02210	1501.39999	1.89660
4.500	-6.603	-.51212	-.05824	-.02822	-.01968	.51500	.06316	.03706	.02139	1501.20000	1.89520
4.500	-5.605	-.51141	-.05724	-.02916	-.02061	.51232	.06020	.03638	.02070	1501.50000	1.89850
4.500	-4.605	-.50959	-.05571	-.02959	-.02105	.51071	.05888	.03557	.01991	1501.70000	1.89540
4.500	-3.555	-.49219	-.03791	-.01976	-.01121	.51639	.06416	.03778	.02210	1501.80000	1.89750
4.500	-2.540	-.48510	-.03091	-.01714	-.00860	.51545	.06330	.03734	.02166	1502.00000	1.89630
4.500	-1.532	-.48063	-.02640	-.01628	-.00773	.51491	.06273	.03694	.02126	1502.30000	1.89720
4.500	-.525	-.47592	-.02149	-.01560	-.00705	.51459	.06220	.03675	.02106	1501.89999	1.89730
4.500	.485	-.46908	-.01547	-.01453	-.00599	.51300	.06143	.03652	.02086	1500.30000	1.87100
4.500	1.496	-.46192	-.00919	-.01336	-.00484	.51139	.06070	.03608	.02046	1496.60001	1.87200
4.500	2.508	-.45519	-.00291	-.01181	-.00330	.51011	.05987	.03573	.02011	1495.50000	1.89460
4.500	3.518	-.44952	.00310	-.01030	-.00178	.50905	.05847	.03545	.01982	1496.70000	1.89540
4.500	4.527	-.44396	.00878	-.00926	-.00074	.50660	.05590	.03450	.01887	1497.70000	1.89410
4.500	5.533	-.43957	.01349	-.00872	-.00020	.50415	.05313	.03359	.01795	1497.89999	1.88860
4.500	6.541	-.43431	.01875	-.00789	.00063	.50263	.05161	.03299	.01735	1498.39999	1.89220
4.500	7.548	-.42927	.02386	-.00693	.00159	.50171	.05062	.03300	.01736	1499.50000	1.89370
4.500	8.557	-.42399	.02979	-.00601	.00253	.50196	.05012	.03264	.01698	1499.80000	1.89230
4.500	9.563	-.41959	.03400	-.00517	.00336	.50158	.05003	.03215	.01649	1500.30000	1.89550
4.500	GRADIENT	.00660	.00638	.00171	.00171	-.00076	-.00054	-.00022	-.00021	-.73518	-.00082

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 S1 RIGHT AND LEFT SRB

(STQ009) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 126/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETAB	CNT	CN	CLMT	.CLM	CYT	CY	CYNT	CYN	PC-R	MT
4.500	-10.612	-.51061	-.05626	-.02589	-.01735	.53742	.08512	.04148	.02580	1503.00000	1.89740
4.500	-9.596	-.50883	-.05411	-.02563	-.01708	.52937	.07669	.03876	.02306	1503.89999	1.89600
4.500	-8.589	-.50701	-.05259	-.02546	-.01691	.52561	.07324	.03742	.02174	1504.20000	1.89690
4.500	-7.588	-.50528	-.05070	-.02498	-.01642	.52476	.07222	.03761	.02192	1503.89999	1.88880
4.500	-6.587	-.50258	-.04832	-.02442	-.01587	.52333	.07112	.03773	.02205	1503.20000	1.89180
4.500	-5.588	-.49981	-.04544	-.02344	-.01490	.52292	.07059	.03810	.02242	1503.10001	1.89260
4.500	-4.586	-.49575	-.04162	-.02223	-.01368	.52114	.06905	.03814	.02247	1503.00000	1.89200
4.500	-3.583	-.49223	-.03787	-.02098	-.01244	.51907	.06676	.03789	.02221	1502.89999	1.89340
4.500	-2.581	-.48782	-.03362	-.01957	-.01103	.51748	.06533	.03763	.02195	1502.89999	1.89290
4.500	-1.580	-.48229	-.02802	-.01723	-.00868	.51660	.06437	.03737	.02169	1502.70000	1.89480
4.500	-.575	-.47833	-.02409	-.01586	-.00732	.51361	.06141	.03665	.02097	1502.80000	1.89250
4.500	.435	-.47558	-.02139	-.01522	-.00667	.50862	.05646	.03491	.01923	1502.80000	1.89670
4.500	1.449	-.47361	-.01900	-.01498	-.00643	.50233	.04977	.03221	.01652	1503.10001	1.89600
4.500	2.467	-.47351	-.01915	-.01608	-.00753	.49292	.04061	.02886	.01317	1503.30000	1.89570
4.600	3.479	-.47326	-.01863	-.01651	-.00795	.48669	.03410	.02692	.01123	1503.20000	1.89460
4.500	4.488	-.47145	-.01704	-.01616	-.00761	.48194	.02957	.02545	.00977	1503.30000	1.89440
4.500	5.495	-.47089	-.01632	-.01554	-.00699	.47627	.02375	.02453	.00884	1503.39999	1.89570
4.500	6.505	-.47030	-.01573	-.01584	-.00729	.47070	.01818	.02298	.00729	1503.70000	1.89010
4.500	7.514	-.47142	-.01681	-.01672	-.00817	.46464	.01207	.02168	.00599	1503.80000	1.89520
4.500	8.523	-.47199	-.01757	-.01744	-.00889	.45851	.00614	.02036	.00467	1503.50000	1.89270
4.500	9.532	-.47340	-.01900	-.01804	-.00949	.45270	.00034	.01909	.00340	1503.50000	1.89470
	GRADIENT	.00271	.00275	.00066	.00066	-.00451	-.00455	-.00152	-.00152	.04819	.00028

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 S1 RIGHT AND LEFT SRB

(STQ010) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 2.000 R-SRB = 2.000
 SRBPOS = 2.200 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 123/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAB	CNT	CN	CLMT	CLM	CYT	CY	CYNT	CYN	PC-R	MT
4.500	-13.743	-.53295	-.08029	-.02080	-.01229	.55999	.10637	.02104	.00541	1497.39999	1.84630
4.500	-12.728	-.52669	-.07545	-.01937	-.01088	.55549	.10629	.02217	.00659	1492.30000	1.85650
4.500	-11.717	-.52232	-.07148	-.01870	-.01021	.55143	.10263	.02376	.00820	1491.30000	1.88500
4.500	-10.712	-.52000	-.06897	-.01893	-.01045	.54872	.09972	.02411	.00855	1492.50000	1.88160
4.500	-9.702	-.51705	-.06568	-.01812	-.00963	.54650	.09717	.02386	.00828	1493.60001	1.88450
4.500	-8.694	-.51535	-.06378	-.01747	-.00897	.54509	.09554	.02368	.00809	1494.00000	1.88270
4.500	-7.683	-.51141	-.05977	-.01638	-.00788	.54397	.09436	.02348	.00789	1494.60001	1.88200
4.500	-6.675	-.50961	-.05776	-.01592	-.00742	.54383	.09402	.02337	.00778	1495.10001	1.88100
4.500	-5.667	-.50588	-.05410	-.01556	-.00706	.54276	.09301	.02275	.00715	1494.89999	1.87590
4.500	-4.668	-.50378	-.05249	-.01769	-.00920	.53923	.08997	.02102	.00544	1494.10001	1.87960
4.500	-3.663	-.50027	-.04877	-.01864	-.01014	.53751	.08804	.01962	.00403	1494.10001	1.88100
4.500	-2.631	-.48801	-.03628	-.01390	-.00540	.52577	.07708	.01923	.00363	1494.80000	1.89260
4.500	-1.618	-.48169	-.02937	-.01297	-.00446	.52204	.07175	.01923	.00361	1496.60001	1.89100
4.500	-.605	-.47577	-.02289	-.01209	-.00357	.52195	.07111	.02009	.00446	1498.30000	1.89490
4.500	.413	-.46764	-.01455	-.01018	-.00165	.52608	.07503	.02230	.00666	1499.70000	1.89410
4.500	1.433	-.45876	-.00569	-.00793	.00060	.53044	.07941	.02474	.00910	1500.10001	1.87900
4.500	2.450	-.45045	.00265	-.00632	.00221	.53205	.08099	.02626	.01062	1499.50000	1.88110
4.500	3.466	-.44243	.01023	-.00508	.00344	.53213	.08150	.02674	.01111	1498.00000	1.88230
4.500	4.480	-.43584	.01720	-.00394	.00459	.53312	.08212	.02705	.01141	1498.89999	1.89050
4.500	5.493	-.43079	.02249	-.00267	.00585	.53292	.08167	.02772	.01207	1499.50000	1.89070
4.500	6.504	-.42672	.02696	-.00162	.00692	.53135	.07971	.02815	.01248	1500.80000	1.88740
	GRADIENT	.00763	.00783	.00163	.00163	-.00022	-.00042	.00094	.00094	.63113	.00008

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 SI RIGHT AND LEFT SRB

(STQ011) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 2.000 R-SRB = 2.000
 SRBPOS = 2.200 PT-JET = 1500.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 122/ 0 RN/L = 1.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETAB	CNT	CN	CLMT	CLM	CYT	CY	CYNT	CYN	PC-R	MT
4.500	-15.096	-.53009	-.07669	-.02560	-.01707	.56188	.11052	.02927	.01361	1498.30000	1.90280
4.500	-14.096	-.52843	-.07541	-.02445	-.01593	.56002	.10904	.02977	.01413	1498.50000	1.90060
4.500	-13.089	-.52885	-.07569	-.02438	-.01585	.55621	.10509	.02880	.01315	1498.39999	1.90280
4.500	-12.081	-.52805	-.07480	-.02471	-.01618	.55209	.10089	.02763	.01198	1498.50000	1.90080
4.500	-11.075	-.52596	-.07263	-.02500	-.01647	.54835	.09706	.02672	.01108	1498.50000	1.90160
4.500	-10.068	-.52283	-.06972	-.02463	-.01611	.54365	.09257	.02580	.01016	1498.80000	1.90460
4.500	-9.062	-.52020	-.06687	-.02391	-.01538	.54017	.08889	.02499	.00935	1498.80000	1.90190
4.500	-8.056	-.51697	-.06345	-.02255	-.01402	.53677	.08530	.02414	.00849	1499.10001	1.89990
4.500	-7.051	-.51329	-.06007	-.02096	-.01243	.53449	.08331	.02309	.00744	1498.89999	1.89810
4.500	-6.054	-.50711	-.05419	-.01832	-.00980	.54182	.09093	.02200	.00637	1498.39999	1.90090
4.500	-5.045	-.50373	-.05074	-.01886	-.01034	.53921	.08825	.02001	.00437	1498.39999	1.90160
4.500	-4.033	-.50171	-.04829	-.01906	-.01054	.53257	.08120	.01822	.00257	1499.00000	1.90500
4.500	-3.016	-.49186	-.03814	-.01356	-.00502	.51646	.06478	.01730	.00164	1500.30000	1.90420
4.500	-2.013	-.48457	-.03063	-.01070	-.00216	.51006	.05816	.01797	.00230	1500.80000	1.90330
4.500	-1.007	-.48182	-.02787	-.01114	-.00260	.50406	.05215	.01775	.00208	1500.70000	1.90370
4.500	.001	-.48013	-.02617	-.01230	-.00376	.49716	.04525	.01718	.00151	1501.20000	1.90500
4.500	1.022	-.48627	-.03243	-.01781	-.00927	.48556	.03377	.01359	-.00208	1501.20000	1.89970
4.500	2.044	-.49231	-.03831	-.02267	-.01413	.47464	.02268	.00950	-.00617	1501.60001	1.90330
4.500	3.056	-.49216	-.03832	-.02411	-.01557	.46717	.01537	.00763	-.00799	1500.89999	1.89760
4.500	4.065	-.49046	-.03682	-.02461	-.01608	.46162	.01002	.00649	-.00917	1500.30000	1.89980
4.500	5.070	-.48744	-.03383	-.02433	-.01580	.45757	.00600	.00605	-.00961	1500.10001	1.90060
	GRADIENT	.00039	.00041	-.00139	-.00139	-.00858	-.00860	-.00160	-.00160	.14959	-.00073

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 S1 RIGHT AND LEFT SRB

(STQ012) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SO.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = .000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 119/ 0 RN/L = 1.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAB	CNT	CN	CLMT	CLM	CYT	CY	CYNT	CYN	PC-R	MT
4.500	-18.304	-.14149	-.14149	-.00203	-.00203	.07287	.07287	.00193	.00193	.00000	.00000
4.500	-17.277	-.13098	-.13098	-.00219	-.00219	.07145	.07145	.00200	.00200	.00000	.00000
4.500	-16.250	-.12039	-.12039	-.00223	-.00223	.07048	.07048	.00228	.00228	.00000	.00000
4.500	-15.223	-.11004	-.11004	-.00243	-.00243	.06939	.06939	.00238	.00238	.00000	.00000
4.500	-14.196	-.09985	-.09985	-.00262	-.00262	.06848	.06848	.00233	.00233	.00000	.00000
4.500	-13.170	-.08999	-.08999	-.00302	-.00302	.06681	.06681	.00254	.00254	.00000	.00000
4.500	-12.144	-.08133	-.08133	-.00308	-.00308	.06495	.06495	.00270	.00270	.00000	.00000
4.500	-11.118	-.07226	-.07226	-.00328	-.00328	.06382	.06382	.00281	.00281	.00000	.00000
4.500	-10.093	-.06395	-.06395	-.00334	-.00334	.06231	.06231	.00305	.00305	.00000	.00000
4.500	-9.068	-.05633	-.05633	-.00333	-.00333	.06059	.06059	.00330	.00330	.00000	.00000
4.500	-8.042	-.04816	-.04816	-.00333	-.00333	.05947	.05947	.00341	.00341	.00000	.00000
4.500	-7.017	-.04018	-.04018	-.00337	-.00337	.05889	.05889	.00346	.00346	.00000	.00000
4.500	-5.991	-.03338	-.03338	-.00297	-.00297	.05764	.05764	.00375	.00375	.00000	.00000
4.500	-4.966	-.02660	-.02660	-.00267	-.00267	.05693	.05693	.00398	.00398	.00000	.00000
4.500	-3.941	-.02102	-.02102	-.00205	-.00205	.05560	.05560	.00426	.00426	.00000	.00000
4.500	-2.917	-.01577	-.01577	-.00148	-.00148	.05474	.05474	.00439	.00439	.00000	.00000
4.500	-1.893	-.01037	-.01037	-.00097	-.00097	.05401	.05401	.00446	.00446	.00000	.00000
4.500	-.869	-.00514	-.00514	-.00036	-.00036	.05363	.05363	.00438	.00438	.00000	.00000
4.500	.153	-.00012	-.00012	-.00006	-.00006	.05363	.05363	.00424	.00424	.00000	.00000
4.500	1.177	.00619	.00619	.00032	.00032	.05390	.05390	.00401	.00401	.00000	.00000
4.500	2.201	.01199	.01199	.00086	.00086	.05446	.05446	.00360	.00360	.00000	.00000
	GRADIENT	.00533	.00533	.00048	.00048	-.00034	-.00034	-.00005	-.00005	.00000	.00000

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 S1 RIGHT AND LEFT SRB

(STQ013) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 120/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAB	CNT	CN	CLMT	CLM	CYT	CY	CYNT	CYN	PC-R	MT
4.500	-18.869	-.59690	-.14252	-.02607	-.01752	.57337	.12104	.03577	.02009	1503.20000	1.89330
4.500	-17.851	-.58635	-.13210	-.02931	-.02076	.57060	.11840	.03566	.01998	1503.60001	1.88200
4.500	-16.830	-.57765	-.12330	-.03154	-.02300	.57349	.12119	.03248	.01679	1503.10001	1.88550
4.500	-15.804	-.56932	-.11477	-.03205	-.02350	.57176	.11925	.03143	.01574	1503.30000	1.88510
4.500	-14.783	-.56386	-.10958	-.03314	-.02459	.56398	.11174	.03135	.01567	1503.30000	1.88810
4.500	-13.762	-.55956	-.10509	-.03387	-.02532	.55666	.10424	.03085	.01516	1503.89999	1.88710
4.500	-12.740	-.55411	-.09943	-.03471	-.02615	.55223	.09960	.02930	.01360	1504.80000	1.89070
4.500	-11.720	-.54639	-.09123	-.03688	-.02832	.55426	.10114	.02554	.00983	1506.39999	1.89680
4.500	-10.697	-.53932	-.08434	-.03793	-.02937	.55537	.10244	.02253	.00682	1506.20000	1.86730
4.500	-9.669	-.53316	-.07929	-.03739	-.02885	.55586	.10403	.01974	.00407	1502.00000	1.83700
4.500	-8.639	-.52722	-.07529	-.03597	-.02747	.55446	.10457	.01791	.00231	1495.50000	1.85660
4.500	-7.592	-.51666	-.06357	-.03045	-.02193	.55809	.10704	.01695	.00130	1499.00000	1.89930
4.500	-6.565	-.51407	-.06028	-.02884	-.02031	.55768	.10593	.01668	.00101	1501.80000	1.89780
4.500	-5.541	-.51284	-.05858	-.02772	-.01918	.55512	.10291	.01619	.00051	1504.30000	1.88110
4.500	-4.523	-.51390	-.05932	-.02762	-.01906	.55016	.09762	.01527	-.00042	1504.20000	1.88410
4.500	-3.497	-.51171	-.05727	-.02621	-.01766	.54538	.09298	.01594	.00025	1503.89999	1.87870
4.500	-2.455	-.50312	-.04890	-.02154	-.01300	.54534	.09316	.01905	.00337	1503.30000	1.86040
4.500	-1.424	-.49855	-.04422	-.01892	-.01037	.54227	.08998	.02064	.00496	1502.89999	1.88150
4.500	-.393	-.49293	-.03897	-.01664	-.00810	.53885	.08693	.02210	.00643	1502.60001	1.87950
4.500	.637	-.48799	-.03382	-.01459	-.00604	.53587	.08375	.02366	.00798	1503.10001	1.87850
4.500	1.666	-.48196	-.02778	-.01314	-.00460	.53323	.08110	.02502	.00935	1502.70000	1.87440
	GRADIENT	.00531	.00524	.00248	.00248	-.00264	-.00257	.00165	.00166	-.23547	-.00105

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OF POOR QUALITY

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 SI RIGHT AND LEFT SRB

(ST0014) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 1500.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 121/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETAB	CNT	CN	CLMT	CLM	CYT	CY	CYNT	CYN	PC-R	MT
4.500	-21.117	-.57455	-.12196	-.03022	-.02170	.62484	.17428	.01872	.00310	1498.30000	1.86370
4.500	-20.109	-.57210	-.11923	-.03064	-.02212	.62122	.17039	.01751	.00168	1498.50000	1.86600
4.500	-19.101	-.56820	-.11495	-.03141	-.02288	.61777	.16656	.01608	.00044	1499.50000	1.87500
4.500	-18.093	-.56346	-.10972	-.03196	-.02333	.61432	.16262	.01445	-.00122	1501.39999	1.87500
4.500	-17.085	-.55919	-.10515	-.03188	-.02334	.60454	.15254	.01482	-.00065	1502.10001	1.87050
4.500	-16.074	-.55512	-.10094	-.03127	-.02273	.59502	.14289	.01418	-.00150	1503.00000	1.87230
4.500	-15.071	-.55067	-.09622	-.03181	-.02326	.59168	.13928	.01396	-.00173	1504.30000	1.87120
4.500	-14.066	-.54577	-.09113	-.03362	-.02506	.58365	.13106	.01487	-.00083	1504.50000	1.87230
4.500	-13.060	-.54028	-.08559	-.03485	-.02630	.57625	.12360	.01518	-.00052	1504.89999	1.87690
4.500	-12.056	-.53630	-.08139	-.03541	-.02685	.56664	.11377	.01664	.00094	1506.60001	1.87530
4.500	-11.055	-.53229	-.07720	-.03583	-.02727	.55633	.10329	.01943	.00372	1506.30000	1.85750
4.500	-10.063	-.53126	-.07738	-.03395	-.02541	.53731	.08548	.02721	.01154	1503.30000	1.85290
4.500	-9.070	-.52345	-.06960	-.02651	-.01797	.52614	.07432	.03294	.01727	1501.80000	1.85690
4.500	-8.069	-.52006	-.06631	-.02480	-.01626	.52325	.07154	.03350	.01764	1501.80000	1.86170
4.500	-7.074	-.51404	-.06035	-.02342	-.01489	.52414	.07249	.03495	.01929	1501.30000	1.86160
4.500	-6.068	-.51231	-.05840	-.02279	-.01425	.51886	.06700	.03458	.01891	1501.80000	1.86400
4.500	-5.056	-.51230	-.05853	-.02206	-.01352	.51109	.05936	.03294	.01728	1501.83999	1.86430
4.500	-4.025	-.51746	-.06373	-.02452	-.01598	.49736	.04568	.02681	.01115	1501.50000	1.85070
4.500	-2.997	-.52215	-.06899	-.02744	-.01892	.48547	.03435	.02089	.00524	1500.30000	1.85460
4.500	-1.993	-.51878	-.06551	-.02664	-.01811	.48347	.03223	.02025	.00460	1499.69999	1.85810
4.500	-.990	-.51333	-.06033	-.02636	-.01784	.48094	.02997	.02001	.00437	1499.00000	1.85320
	GRADIENT	.00154	.00134	-.00047	-.00047	-.00508	-.00488	-.00209	-.00208	-.78203	.00110

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET151 SRB DATA (O/ET SEPRING)

(STQ015) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = .000 R-SRB = 1.000
 SRBPOS = .100 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 111/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	DALP-R
4.500	-10.000	-.52436	-.02577	.46349	.02217	.91776	1498.10001	1598.00000	-.42739
4.500	-9.000	-.52023	-.02432	.46074	.02158	.91876	1497.50000	1597.30000	-.43654
4.500	-8.000	-.51505	-.02314	.45800	.02107	.91516	1497.89999	1597.80000	-.44595
4.500	-7.000	-.50925	-.02213	.45662	.02066	.91727	1497.30000	1597.20000	-.45550
4.500	-6.000	-.50294	-.02178	.45571	.02046	.91680	1497.60001	1597.39999	-.46778
4.500	-5.000	-.49608	-.02125	.45470	.02045	.91632	1497.39999	1597.20000	-.47787
4.500	-4.000	-.48949	-.02007	.45358	.02110	.91726	1497.30000	1597.10001	-.48794
4.500	-3.000	-.48360	-.01849	.45288	.02224	.91872	1497.50000	1597.30000	-.49824
4.500	-2.000	-.48238	-.01808	.45179	.02214	.91832	1497.70000	1597.50000	-.51530
4.500	-1.000	-.47957	-.01715	.45159	.02151	.91791	1497.39999	1597.20000	-.52911
4.500	.000	-.47507	-.01649	.45185	.02075	.91695	1497.30000	1597.10001	-.54362
4.500	1.000	-.47214	-.01667	.45352	.01990	.91752	1497.30000	1597.10001	-.55909
4.500	2.000	-.46803	-.01725	.45438	.01916	.91603	1497.20000	1597.00000	-.57515
4.500	3.000	-.46372	-.01764	.45529	.01889	.91639	1497.10001	1596.89999	-.58934
4.500	4.000	-.45902	-.01777	.45563	.01880	.91773	1497.60001	1597.39999	-.60246
4.500	5.000	-.45344	-.01742	.45615	.01907	.91647	1497.39999	1597.20000	-.61282
4.500	6.000	-.44786	-.01708	.45685	.01934	.91581	1497.60001	1597.39999	-.62373
4.500	7.000	-.44142	-.01666	.45703	.01980	.91781	1497.70000	1597.60001	-.63775
4.500	8.000	-.43535	-.01643	.45730	.02038	.91948	1497.70000	1597.60001	-.65128
4.500	9.000	-.42968	-.01589	.45820	.02048	.91721	1498.10001	1598.00000	-.66283
4.500	10.000	-.42400	-.01530	.46006	.02047	.91717	1498.30000	1598.20000	-.67170
	GRADIENT	.00392	.00030	.00027	-.00031	-.00008	-.01000	-.01000	-.01414

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTNG)

(STQ016) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = .000 R-SRB = 1.000
 SRBPOS = .100 PT-JET = 1500.000
 RN/L = 1.750 ALPHA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 112/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	DBET-R
4.500	-10.000	-.46582	-.01631	.46243	.02090	.92084	1494.50000	1594.10001	-.67149
4.500	-9.000	-.46517	-.01655	.46031	.02079	.92174	1494.39999	1594.00000	-.68476
4.500	-8.000	-.46560	-.01685	.45956	.02062	.92254	1494.39999	1594.00000	-.69936
4.500	-7.000	-.46519	-.01683	.45833	.02018	.92164	1494.20000	1593.80000	-.71467
4.500	-6.000	-.46526	-.01645	.45764	.01962	.92132	1494.10001	1593.80000	-.72906
4.500	-5.000	-.46570	-.01647	.45605	.01923	.92084	1494.10001	1593.70000	-.74323
4.500	-4.000	-.46703	-.01665	.45521	.01914	.91852	1493.89999	1593.50000	-.75505
4.500	-3.000	-.46790	-.01694	.45416	.01934	.91837	1493.80000	1593.39999	-.76556
4.500	-2.000	-.47052	-.01726	.45252	.01965	.92075	1494.30000	1593.89999	-.78029
4.500	-1.000	-.47339	-.01705	.45112	.02010	.92071	1494.60001	1594.20000	-.79907
4.500	.000	-.47608	-.01650	.45082	.02087	.92131	1494.20000	1593.80000	-.82032
4.500	1.000	-.47829	-.01600	.44990	.02177	.92065	1494.00000	1593.60001	-.84267
4.500	2.000	-.48097	-.01604	.44914	.02231	.92140	1494.30000	1593.89999	-.86517
4.500	3.000	-.48246	-.01585	.44868	.02294	.92215	1494.70000	1594.30000	-.88953
4.500	4.000	-.48373	-.01591	.44772	.02352	.92076	1494.60001	1594.30000	-.91281
4.500	5.000	-.48485	-.01618	.44592	.02403	.91951	1494.60001	1594.30000	-.93231
4.500	6.000	-.48552	-.01683	.44407	.02485	.92140	1494.80000	1594.50000	-.95102
4.500	7.000	-.48521	-.01740	.44159	.02598	.92019	1494.39999	1594.10001	-.97035
4.500	8.000	-.48626	-.01791	.43957	.02758	.92109	1494.50000	1594.10001	-.99378
4.500	9.000	-.48809	-.01801	.43763	.02930	.92157	1494.60001	1594.20000	-1.01850
4.500	10.000	-.49115	-.01821	.43450	.03050	.92143	1494.39999	1594.10001	-1.03980
	GRADIENT	-.00211	.00010	-.00096	.00054	.00014	.06728	.07545	-.01965

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTNG)

(STQ017) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = .000 R-SRB = 2.000
 SRBPOS = .200 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 108/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	DALP-R
4.500	-10.000	-.57623	-.03358	.54429	.05115	.91768	1498.50000	1598.39999	-3.66550
4.500	-9.000	.00000	.00000	.00000	.00000	.91597	1498.70000	1598.60001	-3.66100
4.500	-8.000	-.56821	-.03296	.53060	.04801	.91810	1498.89999	1598.80000	-3.67530
4.500	-7.000	-.56180	-.03125	.52663	.04663	.91689	1498.89999	1598.80000	-3.67800
4.500	-6.000	-.55299	-.02703	.52375	.04638	.91628	1498.80001	1598.50000	-3.66310
4.500	-5.000	-.54568	-.02643	.52177	.04585	.91755	1498.50000	1598.39999	-3.65750
4.500	-4.000	-.53839	-.02620	.52294	.04503	.91720	1498.70000	1598.60001	-3.64950
4.500	-3.000	-.53118	-.02646	.52053	.04395	.91793	1498.70000	1598.60001	-3.64650
4.500	-2.000	-.52566	-.02641	.51521	.04437	.91705	1498.30000	1598.20000	-3.64590
4.500	-1.000	-.52318	-.03008	.50751	.04056	.91741	1498.60001	1598.50000	-3.66640
4.500	-.000	-.51889	-.03135	.50480	.03886	.91882	1498.70000	1598.70000	-3.67530
4.500	1.000	-.51212	-.02958	.50479	.03742	.91948	1498.89999	1598.80000	-3.67120
4.500	2.000	-.49700	-.02269	.50969	.03820	.91626	1498.89999	1598.80000	-3.64310
4.500	3.000	-.48975	-.02071	.51178	.03832	.92095	1498.89999	1598.80000	-3.63990
4.500	4.000	-.48417	-.01895	.51550	.03929	.91655	1499.10001	1599.10001	-3.63820
4.500	5.000	-.47984	-.01772	.51658	.03874	.91869	1499.20000	1599.20000	-3.63800
4.500	6.000	-.47541	-.01628	.51687	.03715	.92149	1499.20000	1599.20000	-3.63910
4.500	7.000	-.47187	-.01462	.51580	.03564	.91899	1499.50000	1599.39999	-3.64270
4.500	8.000	-.46720	-.01316	.51321	.03483	.92078	1498.89999	1598.89999	-3.64830
4.500	9.000	-.46215	-.01202	.51044	.03482	.91929	1499.20000	1599.20000	-3.65370
4.500	10.000	-.45705	-.01116	.50762	.03497	.91780	1499.10001	1599.10001	-3.66140
	GRADIENT	.00672	.00089	-.00087	-.00083	.00012	.06545	.07364	.00145

ORIGINAL PAGE IS
OF POOR QUALITY

AEDC VA422 1A61 01ETIS1 SRB DATA (O/ET SEPRTNG)

(STQ018) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = .000 R-SRB = 2.000
 SRBPOS = .200 PT-JET = 1500.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 109/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	OBET-R
4.500	-10.000	-.53693	-.03519	.55291	.04750	.92083	1496.70000	1596.50000	-5.06120
4.500	-9.000	-.53703	-.03449	.55053	.04633	.91800	1496.50000	1596.20000	-5.06950
4.500	-8.000	-.53619	-.03584	.54475	.04358	.91890	1496.50000	1596.20000	-5.08270
4.500	-7.000	-.53416	-.03470	.53786	.04168	.91928	1496.20000	1596.00000	-5.08710
4.500	-6.000	-.53026	-.03217	.53414	.04169	.91944	1496.30000	1596.10001	-5.09540
4.500	-5.000	-.52641	-.03108	.53335	.04205	.91838	1496.30000	1596.00000	-5.11090
4.500	-4.000	-.52407	-.03064	.52901	.04277	.91855	1496.10001	1595.80000	-5.11820
4.500	-3.000	-.52275	-.03070	.52227	.04253	.91958	1496.10001	1595.89999	-5.11760
4.500	-2.000	-.52188	-.03098	.51639	.04117	.92023	1496.10001	1595.80000	-5.11770
4.500	-1.000	-.52173	-.03117	.50997	.04034	.91941	1496.00000	1595.70000	-5.12130
4.500	.000	-.52163	-.03108	.50434	.03978	.91969	1496.00000	1595.70000	-5.12740
4.500	1.000	-.51973	-.02991	.50839	.04360	.91930	1496.00000	1595.80000	-5.15570
4.500	2.000	-.51927	-.02918	.50754	.04347	.91758	1495.80000	1595.50000	-5.17060
4.500	3.000	-.51316	-.02479	.49784	.03742	.91878	1495.80000	1595.50000	-5.15670
4.500	4.000	-.50406	-.01719	.49077	.03459	.91880	1495.80000	1595.60001	-5.16590
4.500	5.000	-.50349	-.01498	.48705	.03407	.91633	1495.70000	1595.39999	-5.18070
4.500	6.000	-.50535	-.01500	.48143	.03228	.91667	1495.80000	1595.60001	-5.19240
4.500	7.000	-.51000	-.01680	.47404	.02916	.92054	1495.60001	1595.30000	-5.19830
4.500	8.000	-.51794	-.01931	.46474	.02471	.91619	1495.50000	1595.20000	-5.19890
4.500	9.000	-.52048	-.01932	.45743	.02134	.91676	1495.60001	1595.30000	-5.20820
4.500	10.000	-.52154	-.01802	.45257	.01903	.91925	1495.50000	1595.20000	-5.22610
	GRADIENT	.00210	.00143	-.00434	-.00073	-.00016	-.05182	-.05000	-.00725

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTNG)

(STQD19) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = .000 R-SRB = 3.000
 SRBPOS = .300 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 104/ 0 RN/L = 1.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	DALP-R
4.500	-10.000	-.61370	-.02021	.57254	.03948	.94397	1496.30000	1596.10001	-8.63190
4.500	-9.000	-.60297	-.02265	.56653	.04107	.94571	1496.39999	1596.10001	-8.62740
4.500	-8.000	-.59188	-.02571	.56323	.04103	.94512	1496.70000	1596.50000	-8.62570
4.500	-7.000	-.58132	-.02873	.55853	.04155	.94434	1496.60001	1596.39999	-8.62390
4.500	-6.000	-.57300	-.03150	.55320	.04085	.94368	1496.60001	1596.30000	-8.62140
4.500	-5.000	-.56604	-.03395	.54466	.03834	.94361	1496.30000	1596.00000	-8.61790
4.500	-4.000	-.55886	-.03533	.53966	.03693	.94564	1496.30000	1596.10001	-8.61030
4.500	-3.000	-.55320	-.03557	.53595	.03596	.94211	1496.10001	1595.89999	-8.59970
4.500	-2.000	-.54794	-.03499	.53269	.03515	.94291	1496.10001	1595.80000	-8.58690
4.500	-1.000	-.54380	-.03371	.53034	.03438	.94268	1496.30000	1596.00000	-8.57330
4.500	.000	-.53992	-.03198	.52759	.03376	.94538	1496.30000	1596.10001	-8.55890
4.500	1.000	-.53583	-.03067	.52641	.03269	.94607	1496.60001	1596.39999	-8.54470
4.500	2.000	-.52167	-.02624	.52899	.03121	.94314	1496.20000	1595.89999	-8.50660
4.500	3.000	-.51666	-.02668	.52896	.02867	.94300	1496.10001	1595.89999	-8.49450
4.500	4.000	-.51290	-.02684	.52700	.02667	.94321	1496.00000	1595.80000	-8.48080
4.500	5.000	-.51157	-.02596	.52387	.02609	.94140	1495.89999	1595.60001	-8.46930
4.500	6.000	-.50252	-.02084	.52766	.02760	.94374	1495.80000	1595.50000	-8.43300
4.500	7.000	-.49823	-.01796	.52544	.02837	.94144	1495.80000	1595.50000	-8.39890
4.500	8.000	-.49386	-.01536	.52376	.02931	.94090	1495.70000	1595.50000	-8.36450
4.500	9.000	-.48834	-.01339	.52260	.02978	.94127	1495.80000	1595.50000	-8.33320
4.500	10.000	-.48248	-.01160	.52081	.03058	.94324	1495.70000	1595.39999	-8.30760
	GRADIENT	.00569	.00110	-.00170	-.00122	-.00014	-.02455	-.02364	.01805

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTNG)

(STQ020) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = .000 R-SRB = 3.000
 SRBPOS = .300 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 105/ 0 RN/L = 1.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	DALP-R
4.500	-10.000	-.61431	-.02051	.57359	.03961	.93225	1497.10001	1596.89999	-8.63340
4.500	-9.000	-.60351	-.02297	.56732	.04110	.93078	1496.89999	1596.70000	-8.62940
4.500	-8.000	-.59290	-.02598	.56370	.04129	.93234	1497.10001	1596.89999	-8.62780
4.500	-7.000	-.58305	-.02876	.55907	.04158	.93009	1496.89999	1596.70000	-8.62560
4.500	-6.000	-.57548	-.03118	.55151	.03988	.93158	1496.80000	1596.60001	-8.62250
4.500	-5.000	-.56671	-.03398	.54514	.03835	.93190	1496.70000	1596.50000	-8.61920
4.500	-4.000	-.56018	-.03549	.54098	.03685	.92946	1496.60001	1596.39999	-8.61200
4.500	-3.000	-.55401	-.03587	.53695	.03583	.92976	1496.39999	1596.10001	-8.60150
4.500	-2.000	-.54894	-.03535	.53395	.03492	.93015	1496.30000	1596.10001	-8.58890
4.500	-1.000	-.54442	-.03407	.53134	.03416	.93011	1496.60001	1596.39999	-8.57530
4.500	.000	-.54015	-.03249	.52873	.03343	.93098	1496.60001	1596.30000	-8.56100
4.500	1.000	-.52599	-.02753	.53152	.03241	.92908	1496.50000	1596.30000	-8.52170
4.500	2.000	-.52132	-.02706	.53113	.03069	.93096	1496.70000	1596.50000	-8.50870
4.500	3.000	-.51725	-.02727	.53046	.02849	.93002	1496.50000	1596.30000	-8.49620
4.500	4.000	-.51377	-.02729	.52834	.02670	.92845	1496.50000	1596.30000	-8.48280
4.500	5.000	-.51252	-.02631	.52513	.02613	.92906	1496.50000	1596.30000	-8.47160
4.500	6.000	-.50292	-.02096	.52873	.02785	.92852	1496.39999	1596.20000	-8.43520
4.500	7.000	-.49911	-.01828	.52678	.02849	.92650	1496.39999	1596.20000	-8.40160
4.500	8.000	-.49448	-.01567	.52507	.02933	.92958	1496.50000	1596.30000	-8.36700
4.500	9.000	-.48857	-.01369	.52368	.02972	.92870	1496.30000	1596.10001	-8.33560
4.500	10.000	-.48322	-.01185	.52203	.03058	.92691	1496.50000	1596.30000	-8.30920
	GRADIENT	.00582	.00109	-.00160	-.00122	-.00015	-.00363	-.00091	.01622

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTNG)

(STQ021) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = .000 R-SRB = 3.000
 SRBPOS = .300 PT-JET = 1500.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 106/ 0 RN/L = 1.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	DBET-R
4.500	-10.000	-.57609	-.03351	.59510	.03524	.91923	1495.80000	1595.50000	-11.00000
4.500	-9.000	-.57389	-.03327	.59385	.03381	.91790	1495.80000	1595.50000	-11.00900
4.500	-8.000	-.57029	-.03348	.59057	.03254	.91893	1496.00000	1595.70000	-11.01700
4.500	-7.000	-.56525	-.03397	.58570	.03198	.91849	1495.80000	1595.50000	-11.02500
4.500	-6.000	-.56047	-.03418	.57147	.03234	.91699	1495.70000	1595.39999	-11.02800
4.500	-5.000	-.55776	-.03418	.55484	.03209	.91719	1495.80000	1595.50000	-11.02800
4.500	-4.000	-.55453	-.03413	.55102	.03189	.91719	1495.70000	1595.39999	-11.03800
4.500	-3.000	-.55198	-.03343	.54777	.03296	.91723	1495.60001	1595.30000	-11.05000
4.500	-2.000	-.54908	-.03267	.54207	.03369	.91717	1495.70000	1595.39999	-11.06000
4.500	-1.000	-.54576	-.03253	.53592	.03379	.91829	1495.60001	1595.30000	-11.06900
4.500	-.000	-.54238	-.03258	.53032	.03392	.91789	1495.70000	1595.50000	-11.07800
4.500	1.000	-.53862	-.03282	.52448	.03439	.91714	1495.80000	1595.50000	-11.08900
4.500	2.000	-.53580	-.03284	.52082	.03484	.91718	1496.00000	1595.70000	-11.09900
4.500	3.000	-.52382	-.02523	.52218	.03375	.91805	1496.00000	1595.80000	-11.10800
4.500	4.000	-.52078	-.02318	.52319	.03455	.91680	1496.00000	1595.80000	-11.12600
4.500	5.000	-.51798	-.02151	.52151	.03376	.91760	1496.30000	1596.00000	-11.13700
4.500	6.000	-.51925	-.01996	.51452	.03157	.91549	1496.60001	1596.39999	-11.13800
4.500	7.000	-.52461	-.02136	.50220	.02555	.91688	1496.60000	1596.30000	-11.11800
4.500	8.000	-.53116	-.02414	.49150	.01821	.91858	1496.60001	1596.30000	-11.09300
4.500	9.000	-.52853	-.02282	.49026	.01705	.91827	1496.30000	1596.00000	-11.09900
4.500	10.000	-.52434	-.02201	.48751	.01659	.91622	1496.10001	1595.80000	-11.10700
	GRADIENT	.00411	.00119	-.00372	.00022	.00002	.05182	.05819	-.01063

ORIGINAL PAGE IS
OF POOR QUALITY

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(STQ022) (23 OCT 75)

PARAMETRIC DATA

L-SRB	=	1.000	R-SRB	=	1.000
SRBPOS	=	1.100	PT-JET	=	.000
RN/L	=	1.760	BETA	=	.000
TO-JET	=	100.000	X	=	.000
Y	=	.000	Z	=	.000

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.07515	-.00949	.02421	.00517	.00000	.00000	.00000	.00000	.00000	.16156
4.500	-9.000	-.06783	-.00807	.02135	.00446	.00000	.00000	.00000	.00000	.00000	.15421
4.500	-8.000	-.06045	-.00690	.01837	.00393	.00000	.00000	.00000	.00000	.00000	.14591
4.500	-7.000	-.05320	-.00556	.01505	.00359	.00000	.00000	.00000	.00000	.00000	.13749
4.500	-6.000	-.04592	-.00445	.01096	.00350	.00000	.00000	.00000	.00000	.00000	.12923
4.500	-5.000	-.03892	-.00319	.00630	.00370	.00000	.00000	.00000	.00000	.00000	.12216
4.500	-4.000	-.03241	-.00216	.00138	.00427	.00000	.00000	.00000	.00000	.00000	.11430
4.500	-3.000	-.02610	-.00121	-.00357	.00511	.00000	.00000	.00000	.00000	.00000	.10598
4.500	-2.000	-.02020	-.00017	-.00845	.00637	.00000	.00000	.00000	.00000	.00000	.09753
4.500	-1.000	-.01511	.00124	-.01213	.00732	.00000	.00000	.00000	.00000	.00000	.08943
4.500	-.000	-.01079	.00217	-.01382	.00786	.00000	.00000	.00000	.00000	.00000	.07940
4.500	1.000	-.00558	.00312	-.01424	.00834	.00000	.00000	.00000	.00000	.00000	.07117
4.500	2.000	-.00125	.00448	-.01274	.00838	.00000	.00000	.00000	.00000	.00000	.06406
4.500	3.000	.00373	.00550	-.00988	.00773	.00000	.00000	.00000	.00000	.00000	.05664
4.500	4.000	.00949	.00621	-.00670	.00715	.00000	.00000	.00000	.00000	.00000	.04947
4.500	5.000	.01494	.00740	-.00355	.00648	.00000	.00000	.00000	.00000	.00000	.04383
4.500	6.000	.02111	.00841	-.00009	.00572	.00000	.00000	.00000	.00000	.00000	.03836
4.500	7.000	.02878	.00909	.00246	.00585	.00000	.00000	.00000	.00000	.00000	.03284
4.500	8.000	.03582	.01023	.00551	.00590	.00000	.00000	.00000	.00000	.00000	.02804
4.500	9.000	.04342	.01130	.00861	.00604	.00000	.00000	.00000	.00000	.00000	.02283
4.500	10.000	.05158	.01215	.01140	.00606	.00000	.00000	.00000	.00000	.00000	.01698
	GRADIENT	.00522	.00107	-.00101	.00035	.00000	.00000	.00000	.00000	.00000	-.00800

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET151 SRB DATA (O/ET SEPRTNG)

(STQ023) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = .000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 134/ 0 RN/L = 1.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DBET-R
4.500	-10.000	.00011	-.00351	.00585	.00626	.00000	.00000	.00000	.00000	.00000	.10989
4.500	-9.000	.00014	-.00356	.00510	.00662	.00000	.00000	.00000	.00000	.00000	.09422
4.500	-8.000	-.00004	-.00342	.00364	.00708	.00000	.00000	.00000	.00000	.00000	.07903
4.500	-7.000	-.00070	-.00333	.00212	.00741	.00000	.00000	.00000	.00000	.00000	.06424
4.500	-6.000	-.00157	-.00314	.00075	.00765	.00000	.00000	.00000	.00000	.00000	.04959
4.500	-5.000	-.00274	-.00274	-.00063	.00767	.00000	.00000	.00000	.00000	.00000	.03482
4.500	-4.000	-.00426	-.00210	-.00218	.00759	.00000	.00000	.00000	.00000	.00000	.02056
4.500	-3.000	-.00612	-.00121	-.00412	.00752	.00000	.00000	.00000	.00000	.00000	.00930
4.500	-2.000	-.00837	-.00034	-.00715	.00753	.00000	.00000	.00000	.00000	.00000	-.00160
4.500	-1.000	-.01081	.00078	-.01029	.00771	.00000	.00000	.00000	.00000	.00000	-.01250
4.500	.000	-.01326	.00183	-.01317	.00766	.00000	.00000	.00000	.00000	.00000	-.02356
4.500	1.000	-.01557	.00253	-.01569	.00771	.00000	.00000	.00000	.00000	.00000	-.03489
4.500	2.000	-.01739	.00336	-.01845	.00765	.00000	.00000	.00000	.00000	.00000	-.04695
4.500	3.000	-.01901	.00383	-.02104	.00763	.00000	.00000	.00000	.00000	.00000	-.06055
4.500	4.000	-.02066	.00450	-.02413	.00756	.00000	.00000	.00000	.00000	.00000	-.07502
4.500	5.000	-.02287	.00555	-.02694	.00767	.00000	.00000	.00000	.00000	.00000	-.08866
4.500	6.000	-.02551	.00672	-.02937	.00773	.00000	.00000	.00000	.00000	.00000	-.10259
4.500	7.000	-.02797	.00769	-.03168	.00777	.00000	.00000	.00000	.00000	.00000	-.11604
4.500	8.000	-.03033	.00859	-.03397	.00776	.00000	.00000	.00000	.00000	.00000	-.12979
4.500	9.000	-.03313	.00978	-.03612	.00784	.00000	.00000	.00000	.00000	.00000	-.14323
4.500	10.000	-.03548	.01074	-.03819	.00797	.00000	.00000	.00000	.00000	.00000	-.15762
	GRADIENT	-.00207	.00084	-.00271	.00821	.00000	.00000	.00000	.00000	.00000	-.01202
					.00001	.00000	.00000	.00000	.00000	.00000	

AEDC VA422 1A61 01ET151 SRB DATA (O/ET SEPRNG)

(STQ024) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 340.000
 RN/L = .690 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 151/ 0 RN/L = .72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.470	-10.000	-.30870	-.01431	.27303	.01612	.39539	340.19000	362.87000	342.02000	364.82000	-.08161
4.470	-9.000	-.30390	-.01300	.26999	.01536	.39554	340.59000	363.29000	342.42000	365.25000	-.08769
4.470	-8.000	-.30362	-.01439	.26731	.01552	.39494	340.86000	363.58000	342.78000	365.62000	-.09842
4.470	-7.000	-.29770	-.01368	.26586	.01547	.39513	341.42000	364.18000	342.99000	365.86000	-.10198
4.470	-6.000	-.29281	-.01258	.26363	.01569	.39597	341.41000	364.17000	343.36000	366.25000	-.10489
4.470	-5.000	-.28742	-.01190	.26100	.01573	.39518	341.51000	364.28000	343.46000	366.35000	-.10755
4.470	-4.000	-.28214	-.01143	.25862	.01563	.39532	341.70000	364.48000	343.67000	366.59000	-.11023
4.470	-3.000	-.27635	-.01118	.25659	.01512	.39535	341.70000	364.48000	343.85000	366.77000	-.11369
4.470	-2.000	-.27100	-.01031	.25538	.01441	.39570	341.77000	364.56000	344.01000	366.95000	-.11702
4.470	-1.000	-.26693	-.00977	.25470	.01381	.39528	341.92000	364.72000	344.06000	367.00000	-.12084
4.470	-.000	-.26277	-.00902	.25417	.01320	.39574	342.01000	364.81000	344.22000	367.17000	-.12546
4.470	1.000	-.25817	-.00885	.25432	.01266	.39529	342.30000	365.12000	344.47000	367.43000	-.13108
4.470	2.000	-.25329	-.00888	.25391	.01183	.39499	342.41000	365.23000	344.48000	367.45000	-.13794
4.470	3.000	-.24806	-.00870	.25328	.01148	.39421	342.26000	365.07000	344.49000	367.46000	-.14531
4.470	4.000	-.24306	-.00817	.25192	.01136	.39349	342.27000	365.08000	344.39000	367.35000	-.15170
4.470	5.000	-.23917	-.00736	.25076	.01135	.39307	342.22000	365.03000	344.22000	367.17000	-.15676
4.470	6.000	-.23523	-.00622	.25015	.01146	.38478	341.40000	364.16000	343.49000	366.39000	-.16037
4.470	7.000	-.23202	-.00507	.24898	.01179	.38945	340.42000	363.12000	342.50000	365.33000	-.16459
4.470	8.000	-.22774	-.00418	.24835	.01220	.38902	340.08000	362.76000	342.09000	364.90000	-.17011
4.470	9.000	-.22241	-.00381	.25082	.01248	.38921	339.77000	362.42000	341.74000	364.53000	-.17698
4.470	10.000	-.21555	-.00390	.25280	.01228	.38928	339.25000	361.86000	341.38000	364.14000	-.18494
	GRADIENT	.00479	.00043	-.00083	-.00051	-.00021	.08336	.08782	.09045	.09673	-.00508

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)

(STQ025) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 750.000
 RN/L = .690 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 152/ 0 RN/L = .72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.470	-10.000	-.61175	-.02350	.59281	.02942	.93319	751.61000	801.72000	758.01000	808.55000	-.25983
4.470	-9.000	-.60736	-.02359	.59090	.02933	.93189	751.72000	801.83000	758.81000	809.39000	-.26778
4.470	-8.000	-.60050	-.02339	.58600	.02920	.89028	750.26000	800.28000	757.16000	807.64000	-.27236
4.470	-7.000	-.59276	-.02312	.58086	.02880	.91044	746.50000	796.26000	753.26000	803.48000	-.27363
4.470	-6.000	-.58739	-.02285	.57954	.02880	.91102	745.55000	795.25000	752.54000	802.71000	-.27678
4.470	-5.000	-.58154	-.02257	.57682	.02849	.92200	744.69000	794.34000	751.67000	801.78000	-.28200
4.470	-4.000	-.57806	-.02198	.57531	.02878	.92740	745.88000	795.61000	752.95000	803.15000	-.28942
4.470	-3.000	-.57527	-.02059	.57209	.02906	.92703	747.17000	796.98000	754.34000	804.63000	-.29732
4.470	-2.000	-.57205	-.01924	.56909	.02930	.90314	746.34000	796.09000	753.51000	803.74000	-.30548
4.470	-1.000	-.56949	-.01837	.56696	.02931	.91181	744.65000	794.30000	751.93000	802.06000	-.31497
4.470	-.000	-.56658	-.01744	.56538	.02898	.91441	744.26000	793.88000	751.49000	801.59000	-.32447
4.470	1.000	-.56331	-.01696	.56441	.02866	.91523	743.78000	793.37000	750.96000	801.02000	-.33376
4.470	2.000	-.55833	-.01684	.56252	.02808	.91539	743.44000	793.00000	750.79000	800.84000	-.34232
4.470	3.000	-.55504	-.01719	.56212	.02773	.93130	743.55000	793.12000	750.78000	800.83000	-.35175
4.470	4.000	-.55235	-.01739	.56259	.02733	.94360	745.89000	795.61000	753.09000	803.30000	-.36134
4.470	5.000	-.55045	-.01752	.56383	.02722	.94475	749.03000	798.97000	756.20000	806.62000	-.37095
4.470	6.000	-.54872	-.01747	.56456	.02718	.94171	751.13000	801.21000	758.53000	809.10000	-.37995
4.470	7.000	-.54668	-.01728	.56536	.02742	.94164	752.96000	803.15000	760.32000	811.01000	-.38882
4.470	8.000	-.54286	-.01703	.56444	.02757	.91002	752.55000	802.72000	760.08000	810.75000	-.39643
4.470	9.000	-.53908	-.01626	.56386	.02785	.93049	751.43000	801.53000	758.82000	809.40000	-.40329
4.470	10.000	-.53625	-.01536	.56440	.02795	.93084	751.87000	801.99000	759.05000	809.65000	-.41129
	GRADIENT	.00321	.00055	-.00147	-.00018	.00199	.03827	.04055	.05564	.05964	-.00898

AEDC VA422 1A61 01ET151 SRB DATA (O/ET SEPRTRNG)

(STQ026) (23 OCT 75)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 750.000
 RN/L = .690 BETA = .000
 TO-JET = 300.000 X = .000
 Y = .000 Z = .000

RUN NO. 191/ 0 RN/L = .71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.62356	-.02154	.61746	.03565	.85539	744.54000	794.18000	750.85000	800.91000	-.25694
4.500	-9.000	-.61774	-.02130	.61449	.03566	.85359	744.69000	794.33000	751.17000	801.25000	-.26405
4.500	-8.000	-.61334	-.02113	.61195	.03567	.85484	744.77000	794.42000	751.04000	801.11000	-.26979
4.500	-7.000	-.60836	-.02089	.60891	.03543	.85430	744.82000	794.48000	751.52000	801.62000	-.27352
4.500	-6.000	-.60350	-.02065	.60736	.03546	.85519	744.82000	794.47000	751.45000	801.55000	-.27803
4.500	-5.000	-.59845	-.02097	.60528	.03494	.85501	744.88000	794.54000	751.47000	801.57000	-.28465
4.500	-4.000	-.59589	-.02060	.60375	.03469	.85473	744.76000	794.41000	751.45000	801.54000	-.29196
4.500	-3.000	-.59384	-.01977	.60160	.03473	.85256	744.89000	794.54000	751.56000	801.66000	-.29929
4.500	-2.000	-.59147	-.01887	.59993	.03506	.85400	744.89000	794.65000	751.52000	801.62000	-.30823
4.500	-1.000	-.58875	-.01775	.59804	.03516	.85323	744.71000	794.35000	751.53000	801.63000	-.31768
4.500	.000	-.58543	-.01649	.59743	.03533	.85370	744.74000	794.39000	751.54000	801.65000	-.32638
4.500	1.000	-.58116	-.01539	.59598	.03540	.85313	745.07000	794.74000	751.80000	801.92000	-.33420
4.500	2.000	-.57690	-.01487	.59432	.03464	.85394	744.83000	794.48000	751.78000	801.90000	-.34258
4.500	3.000	-.57392	-.01480	.59381	.03359	.85515	744.78000	794.43000	751.63000	801.73000	-.35152
4.500	4.000	-.57068	-.01505	.59253	.03312	.85326	744.66000	794.31000	751.58000	801.68000	-.36065
4.500	5.000	-.56770	-.01571	.59155	.03294	.85280	744.63000	794.27000	751.39000	801.49000	-.37040
4.500	6.000	-.56527	-.01621	.59007	.03283	.85533	744.64000	794.29000	751.40000	801.49000	-.37976
4.500	7.000	-.56244	-.01662	.58899	.03288	.85477	744.58000	794.22000	751.37000	801.47000	-.38876
4.500	8.000	-.55980	-.01652	.58885	.03304	.85384	744.46000	794.10000	751.27000	801.35000	-.39716
4.500	9.000	-.55658	-.01598	.58825	.03321	.85397	744.71000	794.35000	751.24000	801.32000	-.40477
4.500	10.000	-.55334	-.01524	.58879	.03297	.85297	744.76000	794.41000	751.31000	801.40000	-.41278
	GRADIENT	.00319	.00067	-.00137	-.00018	-.00009	-.01582	-.01664	.01018	.01109	-.00859

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 OIETISI SRB DATA (O/ET SEPRTNG)

(STQ027) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 340.000
 RN/L = 1.020 ALPHA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 150/ 0 RN/L = 1.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DBET-R
4.500	-10.000	-.18238	-.00258	.17638	.00932	.39116	338.78000	361.37000	340.88000	363.60000	-.03294
4.500	-9.000	-.18051	-.00373	.17684	.00949	.39106	338.83000	361.42000	340.82000	363.54000	-.05147
4.500	-8.000	-.17959	-.00420	.17716	.00955	.39665	339.03000	361.63000	341.08000	363.82000	-.06275
4.500	-7.000	-.17982	-.00466	.17800	.00965	.39933	339.93000	362.59000	341.96000	364.75000	-.07231
4.500	-6.000	-.18089	-.00518	.17869	.00981	.39924	340.76000	363.48000	342.73000	365.60000	-.08005
4.500	-5.000	-.18253	-.00608	.17899	.00981	.39803	341.46000	364.22000	343.53000	366.44000	-.08892
4.500	-4.000	-.18411	-.00683	.17944	.00987	.39120	341.56000	364.34000	343.77000	366.69000	-.09823
4.500	-3.000	-.18555	-.00662	.17835	.00935	.38955	341.04000	363.77000	343.01000	365.88000	-.10468
4.500	-2.000	-.18996	-.00524	.17777	.00969	.38954	340.55000	363.26000	342.64000	365.48000	-.11158
4.500	-1.000	-.19190	-.00459	.17826	.01051	.38933	339.75000	362.40000	342.18000	364.99000	-.12269
4.500	.000	-.19273	-.00347	.17883	.01131	.38957	339.57000	362.21000	341.77000	364.55000	-.12891
4.500	1.000	-.19304	-.00325	.17852	.01254	.38958	339.15000	361.76000	341.39000	364.15000	-.13806
4.500	2.000	-.19402	-.00316	.17742	.01346	.38959	338.82000	361.40000	340.99000	363.72000	-.14275
4.500	3.000	-.19664	-.00334	.17701	.01498	.39004	338.64000	361.21000	340.79000	363.50000	-.14966
4.500	4.000	-.19927	-.00324	.17519	.01728	.38913	338.39000	360.95000	340.58000	363.29000	-.16148
4.500	5.000	-.20149	-.00334	.17263	.01886	.38983	338.16000	360.70000	340.50000	363.20000	-.17293
4.500	6.000	-.20207	-.00348	.17231	.02009	.38983	338.30000	360.86000	340.37000	363.06000	-.18416
4.500	7.000	-.20273	-.00367	.17180	.02178	.38957	337.92000	360.45000	340.17000	362.85000	-.19674
4.500	8.000	-.20401	-.00353	.17000	.02408	.38974	337.65000	360.15000	340.04000	362.71000	-.21223
4.500	9.000	-.20638	-.00274	.16786	.02618	.39448	338.29000	360.84000	340.19000	362.87000	-.22852
4.500	10.000	-.20789	-.00234	.16677	.02735	.40064	338.77000	361.36000	341.12000	363.85000	-.24061
	GRADIENT	-.00180	.00039	-.00048	.00092	-.00043	-.36764	-.39273	-.35145	-.37545	-.00805

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)

(STQ028) (23 OCT 75)

REFERENCE DATA

SREF * 2690.0000 SQ.FT. XMRP * 1167.0000 IN.XS
 LREF * 1290.3000 IN. YMRP * .0000 IN.YS
 BREF * 1290.3000 IN. ZMRP * 400.0000 IN.ZS
 SCALE * .0100

PARAMETRIC DATA

L-SRB * 1.000 R-SRB * 1.000
 SRBPOS * 1.100 PT-JET * 750.000
 RN/L * 1.020 BETA * .000
 TO-JET * 100.000 X * .000
 Y * .000 Z * .000

RUN NO. 148/ 0 RN/L * 1.05 GRADIENT INTERVAL * -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.44001	-.01622	.41008	.01978	.92089	749.33000	799.29000	755.39000	805.75000	-.21234
4.500	-9.000	-.43564	-.01755	.40888	.01884	.92009	749.14000	799.09000	755.36000	805.71000	-.22520
4.500	-8.000	-.43147	-.01841	.40743	.01833	.92039	749.18000	799.12000	755.46000	805.82000	-.23572
4.500	-7.000	-.42673	-.01864	.40519	.01818	.92110	749.10000	799.04000	755.40000	805.76000	-.24442
4.500	-6.000	-.42145	-.01888	.40271	.01816	.92014	748.93000	798.86000	755.49000	805.85000	-.25290
4.500	-5.000	-.41574	-.01869	.40044	.01835	.92239	749.13000	799.07000	755.73000	806.11000	-.25943
4.500	-4.000	-.40965	-.01806	.39712	.01837	.92197	749.18000	799.12000	755.95000	806.35000	-.26572
4.500	-3.000	-.40497	-.01721	.39418	.01835	.92162	749.19000	799.13000	756.18000	806.59000	-.27220
4.500	-2.000	-.40115	-.01604	.39180	.01800	.92195	749.25000	799.19000	756.13000	806.54000	-.28022
4.500	-1.000	-.39754	-.01478	.39032	.01758	.92156	749.43000	799.39000	756.30000	806.72000	-.28989
4.500	.000	-.39426	-.01359	.38939	.01706	.92172	749.45000	799.41000	756.52000	806.95000	-.30085
4.500	1.000	-.39014	-.01315	.38904	.01707	.91885	749.57000	799.54000	756.50000	806.93000	-.31368
4.500	2.000	-.38648	-.01310	.38837	.01712	.91975	749.22000	799.17000	756.47000	806.90000	-.32819
4.500	3.000	-.38251	-.01281	.38851	.01679	.92220	749.39000	799.35000	756.45000	806.88000	-.34100
4.500	4.000	-.37738	-.01233	.38813	.01659	.92354	749.50000	799.47000	756.63000	807.07000	-.35224
4.500	5.000	-.37307	-.01191	.38693	.01676	.91993	749.49000	799.45000	756.84000	807.30000	-.36176
4.500	6.000	-.36904	-.01159	.38581	.01715	.92123	749.72000	799.70000	756.88000	807.34000	-.37029
4.500	7.000	-.36555	-.01097	.38505	.01791	.91994	749.79000	799.77000	756.86000	807.10000	-.37826
4.500	8.000	-.36177	-.01020	.38413	.01845	.92055	749.10000	799.04000	756.15000	806.56000	-.38687
4.500	9.000	-.35855	-.00919	.38495	.01875	.91996	749.02000	798.95000	756.22000	806.64000	-.39527
4.500	10.000	-.35441	-.00839	.38708	.01853	.92050	748.98000	798.91000	756.00000	806.40000	-.40482
	GRADIENT	.00406	.00070	-.00117	-.00020	-.00010	.03418	.03700	.09055	.09664	-.01076

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)

(STQ029) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 750.000
 RN/L = 1.020 ALPHA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 149/ 0 RN/L = 1.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	OBET-R
4.500	-10.000	-.40625	-.01243	.40446	.02306	.91890	746.94000	796.74000	753.5000	803.68000	-.20016
4.500	-9.000	-.40522	-.01217	.40328	.02360	.91888	746.86000	796.65000	753.78000	804.04000	-.20602
4.500	-8.000	-.40380	-.01152	.40140	.02356	.91927	746.83000	796.62000	753.96000	804.12000	-.20826
4.500	-7.000	-.39967	-.01014	.39868	.02319	.91719	746.92000	796.71000	754.05000	804.33000	-.21096
4.500	-6.000	-.39687	-.01055	.39564	.02272	.91817	746.91000	796.70000	753.94000	804.20000	-.21453
4.500	-5.000	-.39454	-.01113	.39307	.02158	.91706	746.79000	796.58000	753.81000	804.07000	-.22000
4.500	-4.000	-.39240	-.01196	.39181	.02054	.91789	746.71000	796.49000	754.07000	804.34000	-.22719
4.500	-3.000	-.39147	-.01295	.39124	.01956	.91727	746.70000	796.48000	753.92000	804.18000	-.23062
4.500	-2.000	-.39266	-.01344	.39070	.01860	.91809	746.75000	796.53000	753.89000	804.15000	-.23234
4.500	-1.000	-.39428	-.01388	.39006	.01777	.91716	746.85000	796.64000	754.01000	804.28000	-.23804
4.500	-.000	-.39603	-.01382	.38909	.01724	.91830	746.84000	796.63000	753.95000	804.22000	-.24445
4.500	1.000	-.39741	-.01382	.38813	.01705	.91837	746.70000	796.48000	753.99000	804.25000	-.24687
4.500	2.000	-.39927	-.01394	.38738	.01642	.91879	746.87000	796.67000	753.95000	804.21000	-.24713
4.500	3.000	-.40154	-.01438	.38748	.01615	.91734	746.88000	796.68000	754.04000	804.31000	-.25523
4.500	4.000	-.40326	-.01461	.38655	.01726	.91666	746.68000	796.46000	754.01000	804.27000	-.26794
4.500	5.000	-.40627	-.01325	.38431	.01860	.91784	746.79000	796.58000	754.04000	804.31000	-.27868
4.500	6.000	-.40884	-.01201	.38376	.01912	.91759	746.79000	796.58000	754.01000	804.28000	-.28826
4.500	7.000	-.41025	-.01181	.38396	.01933	.91837	746.72000	796.50000	754.01000	804.28000	-.29564
4.500	8.000	-.41232	-.01206	.38282	.02012	.91793	746.72000	796.50000	754.01000	804.28000	-.30316
4.500	9.000	-.41430	-.01221	.38138	.02115	.91796	746.73000	796.51000	754.01000	804.28000	-.31447
4.500	10.000	-.41744	-.01252	.37973	.02206	.91799	746.83000	796.62000	753.89000	804.14000	-.32580
	GRADIENT	-.00135	-.00024	-.00077	-.00039	.00002	.00464	.00546	.01246	.01273	-.00517

AEDC VA422 1A61 01ET1S, SRB DATA (O/ET SEPRING)

(STQ030) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.020 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 147/ 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.84313	-.03596	.80917	.03636	1.86000	1497.00000	1596.80000	1500.39999	1600.39999	-.59154
4.500	-9.000	-.83377	-.03414	.80853	.03729	1.86080	1497.10001	1597.00000	1500.39999	1600.50000	-.59620
4.500	-8.000	-.82909	-.03339	.80581	.03757	1.85870	1497.80000	1597.70000	1500.80000	1600.80000	-.60544
4.500	-7.000	-.82737	-.03348	.80207	.03758	1.85700	1496.80000	1596.60001	1500.50000	1600.50000	-.61791
4.500	-6.000	-.82176	-.03253	.79935	.03799	1.85930	1496.50000	1596.30000	1500.10001	1600.10001	-.62707
4.500	-5.000	-.81580	-.03094	.79786	.03869	1.85750	1496.30000	1596.00000	1500.20000	1600.20000	-.63409
4.500	-4.000	-.81189	-.03047	.79430	.03868	1.85810	1496.10001	1595.89999	1499.89999	1599.89999	-.64487
4.500	-3.000	-.81204	-.03155	.79042	.03817	1.85870	1495.89999	1595.60001	1500.00000	1600.00000	-.66050
4.500	-2.000	-.80909	-.03124	.78854	.03793	1.86000	1496.00000	1595.80000	1500.39999	1600.39999	-.67056
4.500	-1.000	-.80086	-.02944	.78895	.03810	1.86020	1495.80000	1595.50000	1500.20000	1600.20000	-.67475
4.500	-.000	-.80064	-.02976	.78783	.03755	1.85840	1495.70000	1595.39999	1500.39999	1600.50000	-.68949
4.500	1.000	-.79937	-.02931	.78628	.03664	1.85760	1495.80000	1595.50000	1500.60001	1600.60001	-.70116
4.500	2.000	-.79383	-.02796	.78566	.03631	1.86020	1496.00000	1595.70000	1500.39999	1600.50000	-.70996
4.500	3.000	-.79341	-.02795	.78573	.03556	1.85860	1496.50000	1596.20000	1501.70000	1601.80000	-.72276
4.500	4.000	-.78802	-.02729	.78545	.03527	1.85950	1497.10001	1596.89999	1501.89999	1602.10001	-.73270
4.500	5.000	-.78152	-.02621	.78459	.03490	1.85710	1496.39999	1596.10001	1501.50000	1601.60001	-.74035
4.500	6.000	-.77665	-.02552	.78432	.03476	1.85900	1496.30000	1596.00000	1501.39999	1601.39999	-.75037
4.500	7.000	-.77386	-.02561	.78474	.03460	1.86220	1497.20000	1597.10001	1502.30000	1602.39999	-.76491
4.500	8.000	-.77062	-.02585	.78451	.03452	1.85640	1496.60001	1596.30000	1501.30000	1601.39999	-.77927
4.500	9.000	-.76560	-.02579	.78321	.03457	1.85840	1496.30000	1596.10001	1501.30000	1601.39999	-.79199
4.500	10.000	-.76380	-.02633	.78377	.03460	1.85910	1496.20000	1595.89999	1501.20000	1601.30000	-.80740
	GRADIENT	.00323	.00049	-.00113	-.00041	.00001	.05727	.05545	.18182	.19818	-.01068

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)

(STQ031) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.020 BETA = .000
 TO-JET = 300.000 X = .000
 Y = .000 Z = .000

RUN NO. 190/ 0 RN/L = 1.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.81300	-.03107	.79621	.04013	1.75300	1498.10001	1598.00000	1502.10001	1602.20000	-.58318
4.500	-9.000	-.80959	-.03088	.79350	.04019	1.75220	1498.20000	1598.10001	1502.50000	1602.70000	-.59363
4.500	-8.000	-.80521	-.02986	.79060	.04001	1.75030	1499.10001	1599.00000	1503.20000	1603.39999	-.60161
4.500	-7.000	-.79910	-.02792	.78774	.04003	1.75140	1499.30000	1599.20000	1503.20000	1603.39999	-.60672
4.500	-6.000	-.79474	-.02638	.78512	.04024	1.75040	1499.30000	1599.30000	1503.39999	1603.70000	-.61449
4.500	-5.000	-.79080	-.02569	.78300	.04062	1.74960	1498.89999	1598.89999	1503.10001	1603.30000	-.62613
4.500	-4.000	-.78497	-.02489	.77977	.04112	1.74950	1498.39999	1598.30000	1502.20000	1602.39999	-.63854
4.500	-3.000	-.78011	-.02702	.77668	.04030	1.75040	1498.30000	1598.20000	1502.10001	1602.20000	-.64866
4.500	-2.000	-.77996	-.02650	.77424	.04029	1.75180	1498.30000	1598.20000	1502.30000	1602.39999	-.66203
4.500	-1.000	-.77824	-.02596	.77279	.03988	1.74910	1498.10001	1597.89999	1502.00000	1602.10001	-.67528
4.500	-.000	-.77453	-.02512	.77088	.03941	1.74810	1497.80000	1597.60001	1501.80000	1601.89999	-.68793
4.500	1.000	-.77121	-.02442	.76961	.03919	1.74650	1497.39999	1597.20000	1501.39999	1601.50000	-.69808
4.500	2.000	-.76783	-.02440	.76786	.03900	1.74820	1497.00000	1596.89999	1500.89999	1600.89999	-.70952
4.500	3.000	-.76483	-.02411	.76731	.03883	1.74910	1497.10001	1596.89999	1500.70000	1600.80000	-.72026
4.500	4.000	-.76273	-.02378	.76736	.03837	1.74710	1496.80000	1596.60001	1500.39999	1600.39999	-.73171
4.500	5.000	-.75795	-.02331	.76680	.03766	1.74780	1496.50000	1596.30000	1500.10001	1600.10001	-.74163
4.500	6.000	-.75369	-.02292	.76638	.03699	1.74820	1496.30000	1596.00000	1499.89999	1599.89999	-.75173
4.500	7.000	-.74987	-.02300	.76641	.03664	1.74820	1496.00000	1595.80000	1499.80000	1599.80000	-.76401
4.500	8.000	-.74646	-.02292	.76619	.03633	1.74960	1496.00000	1595.70000	1500.00000	1600.00000	-.77646
4.500	9.000	-.74332	-.02301	.76528	.03620	1.74940	1496.39999	1595.20000	1499.89999	1599.89999	-.79023
4.500	10.000	-.73953	-.02295	.76563	.03625	1.75030	1497.10001	1596.89999	1500.60001	1600.60001	-.80425
GRADIENT		.00300	.00028	-.00159	-.00030	-.00029	-.23000	-.24545	-.27091	-.28909	-.01166

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TABULATED SOURCE DATA, AE0C VA 422, 1A61

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AE0C VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)

(STQ032) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 750.000
 RN/L = 1.400 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 146/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.33992	-.01392	.30305	.01582	.92222	749.20000	799.14000	755.84000	806.23000	-.19680
4.500	-9.000	-.33639	-.01273	.29972	.01542	.92001	748.76000	798.68000	755.59000	805.96000	-.20388
4.500	-8.000	-.33372	-.01317	.29649	.01561	.91961	748.82000	798.74000	755.73000	806.11000	-.21899
4.500	-7.000	-.32981	-.01340	.29481	.01613	.92082	748.76000	798.68000	755.72000	806.10000	-.22960
4.500	-6.000	-.32516	-.01319	.29151	.01587	.92122	748.75000	798.67000	755.86000	806.27000	-.23718
4.500	-5.000	-.31943	-.01224	.28867	.01562	.92002	748.72000	798.63000	755.81000	806.19000	-.24260
4.500	-4.000	-.31307	-.01198	.28688	.01522	.91987	748.62000	798.52000	755.89000	806.29000	-.24930
4.500	-3.000	-.30694	-.01198	.28546	.01467	.91952	748.69000	798.60000	755.90000	806.36000	-.25751
4.500	-2.000	-.30118	-.01204	.28526	.01422	.92156	748.76000	798.67000	755.88000	806.27000	-.26717
4.500	-1.000	-.29653	-.01179	.28471	.01382	.92152	748.80000	798.72000	755.95000	806.35000	-.27711
4.500	.000	-.29210	-.01132	.28473	.01338	.92016	748.76000	798.68000	756.01000	806.41000	-.28880
4.500	1.000	-.28742	-.01073	.28555	.01299	.92038	748.65000	798.56000	755.84000	806.23000	-.30053
4.500	2.000	-.28312	-.01054	.28527	.01288	.92150	748.62000	798.53000	756.01000	806.41000	-.31511
4.500	3.000	-.27779	-.01008	.28423	.01278	.91941	748.75000	798.66000	756.06000	806.47000	-.32664
4.500	4.000	-.27255	-.00965	.28307	.01282	.92063	748.57000	798.48000	755.84000	806.23000	-.33651
4.500	5.000	-.26774	-.00908	.28182	.01285	.92140	748.62000	798.53000	755.76000	806.17000	-.34438
4.500	6.000	-.26428	-.00842	.28141	.01302	.92013	748.60000	798.50000	755.75000	806.14000	-.35208
4.500	7.000	-.26136	-.00765	.28172	.01336	.92084	748.53000	798.43000	755.75000	806.14000	-.36040
4.500	8.000	-.25936	-.00689	.28257	.01352	.92121	748.78000	798.70000	755.68000	806.06000	-.37439
4.500	9.000	-.25499	-.00635	.28409	.01369	.91868	748.81000	798.73000	755.76000	806.15000	-.38920
4.500	10.000	-.24889	-.00601	.28650	.01366	.92008	748.62000	798.52000	755.59000	805.96000	-.40352
	GRADIENT	.00503	.00032	-.00048	-.00030	.00008	-.00864	-.00836	.00255	.00300	-.01077

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)

(STQ033) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 ØREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 750.000
 RN/L = 1.400 ALPHA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 145/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	ØBET-R
4.500	-10.000	-.29490	-.00729	.29259	.01549	.92284	749.21000	799.15000	756.13000	806.54000	-.15140
4.500	-9.000	-.29189	-.00704	.28994	.01539	.92033	749.43000	799.39000	756.34000	806.77000	-.16084
4.500	-8.000	-.29049	-.00743	.28805	.01551	.92070	749.20000	799.15000	756.42000	806.85000	-.17075
4.500	-7.000	-.28922	-.00800	.28659	.01537	.92163	749.52000	799.49000	756.61000	807.05000	-.18006
4.500	-6.000	-.28719	-.00920	.28553	.01525	.92188	749.44000	799.41000	756.71000	807.16000	-.19001
4.500	-5.000	-.28576	-.01049	.28474	.01480	.92162	749.62000	799.60000	756.73000	807.18000	-.20035
4.500	-4.000	-.28657	-.01095	.28474	.01421	.92146	749.52000	799.49000	756.85000	807.31000	-.20816
4.500	-3.000	-.28894	-.01104	.28542	.01373	.92259	749.78000	799.77000	756.91000	807.37000	-.22015
4.500	-2.000	-.29145	-.01072	.28647	.01337	.92164	749.70000	799.68000	756.94000	807.40000	-.23338
4.500	-1.000	-.29342	-.01074	.28553	.01353	.92152	749.71000	799.69000	756.93000	807.39000	-.23774
4.500	.000	-.29507	-.01146	.28488	.01356	.92118	749.91000	799.90000	756.87000	807.33000	-.24428
4.500	1.000	-.29944	-.01116	.28482	.01428	.92177	749.87000	799.86000	757.03000	807.50000	-.26153
4.500	2.000	-.30415	-.00905	.28516	.01464	.92114	750.07000	800.07000	757.25000	807.73000	-.27545
4.500	3.000	-.30523	-.00805	.28566	.01427	.92127	749.79000	799.77000	756.97000	807.44000	-.28500
4.500	4.000	-.30585	-.00793	.28546	.01441	.92052	749.86000	799.85000	757.16000	807.64000	-.29694
4.500	5.000	-.30741	-.00803	.28476	.01512	.92088	749.81000	799.80000	757.07000	807.54000	-.31019
4.500	6.000	-.30953	-.00808	.28433	.01622	.92133	749.87000	799.86000	757.05000	807.52000	-.32329
4.500	7.000	-.31068	-.00855	.28340	.01776	.92165	749.77000	799.76000	757.03000	807.50000	-.33677
4.500	8.000	-.31232	-.00917	.28149	.01949	.92154	749.67000	799.65000	756.97000	807.43000	-.35017
4.500	9.000	-.31468	-.00938	.27931	.02147	.92188	749.82000	799.81000	757.04000	807.51000	-.36640
4.500	10.000	-.31773	-.00912	.27597	.02334	.92121	749.70000	799.68000	757.04000	807.51000	-.38525
	GRADIENT	-.00241	.00033	.00000	.00007	-.00011	.02946	.03082	.03491	.03727	-.01097

AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)

(STQ034) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.400 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 143/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.61706	-.02508	.58595	.02466	1.85730	1498.70000	1598.60001	1503.00000	1603.20000	-.52617
4.500	-9.000	-.61276	-.02536	.58269	.02440	1.85670	1498.89999	1598.80000	1503.10001	1603.30000	-.53997
4.500	-8.000	-.60786	-.02527	.58086	.02460	1.85870	1499.10001	1599.00000	1503.60001	1603.80000	-.55089
4.500	-7.000	-.60312	-.02588	.57863	.02462	1.85890	1499.00000	1599.00000	1503.50000	1603.70000	-.56063
4.500	-6.000	-.59601	-.02575	.57745	.02390	1.85780	1499.10001	1599.00000	1503.60001	1603.89999	-.56578
4.500	-5.000	-.58999	-.02523	.57552	.02398	1.85630	1499.00000	1599.80000	1504.60001	1604.89999	-.57720
4.500	-4.000	-.58772	-.02472	.57311	.02440	1.86160	1500.50000	1600.50000	1505.39999	1605.70000	-.59283
4.500	-3.000	-.58692	-.02405	.56967	.02477	1.85900	1500.80000	1600.89999	1505.70000	1606.10001	-.61174
4.500	-2.000	-.58482	-.02276	.56758	.02505	1.85960	1500.70000	1600.80000	1505.60001	1606.00000	-.62844
4.500	-1.000	-.58079	-.02069	.56709	.02517	1.86090	1501.10001	1601.20000	1506.20000	1606.60001	-.64120
4.500	-.000	-.57484	-.01838	.56679	.02466	1.85930	1501.00000	1601.00000	1506.00000	1606.39999	-.65180
4.500	1.000	-.57111	-.01742	.56690	.02429	1.85910	1501.30000	1601.39999	1506.20000	1606.60001	-.66852
4.500	2.000	-.56739	-.01707	.56716	.02423	1.85590	1501.30000	1601.39999	1505.89999	1606.30000	-.68712
4.500	3.000	-.56308	-.01772	.56672	.02462	1.85750	1501.50000	1601.60001	1506.20000	1606.60001	-.70729
4.500	4.000	-.55855	-.01823	.56617	.02477	1.85870	1501.20000	1601.30000	1506.00000	1606.39999	-.72471
4.500	5.000	-.55520	-.01829	.56610	.02471	1.86000	1501.20000	1601.30000	1506.00000	1606.30000	-.73891
4.500	6.000	-.55199	-.01861	.56567	.02470	1.85320	1501.30000	1601.39999	1505.80000	1606.20000	-.75412
4.500	7.000	-.54794	-.01870	.56419	.02491	1.84980	1499.10001	1599.10001	1503.60001	1603.80000	-.76817
4.500	8.000	-.54511	-.01874	.56336	.02515	1.85550	1498.70000	1598.70000	1502.89999	1603.10001	-.78424
4.500	9.000	-.54186	-.01837	.56304	.02549	1.85690	1499.00000	1598.89999	1503.30000	1603.50000	-.80002
4.500	10.000	-.53836	-.01781	.56247	.02565	1.85680	1499.10001	1599.10001	1503.50000	1603.70000	-.81703
	GRADIENT	.00369	.00086	-.00077	.00002	-.00004	.12091	.12909	.10454	.10818	-.01607

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET151 SRB DATA (O/ET SEPRING)

(STQ035) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.400 BETA = .000
 TO-JET = 300.000 X = .000
 Y = .000 Z = .000

RUN NO. 188/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.61399	-.02255	.59138	.02778	1.76530	1494.70000	1594.50000	1499.10001	1599.00000	-.51926
4.500	-9.000	-.60800	-.02252	.58895	.02783	1.76510	1494.50000	1594.10001	1498.89999	1598.89999	-.53063
4.500	-8.000	-.60328	-.02265	.58599	.02764	1.76590	1494.50000	1594.10001	1499.10001	1599.00000	-.54119
4.500	-7.000	-.59982	-.02294	.58439	.02753	1.76490	1494.60001	1594.20000	1498.60001	1598.50000	-.55071
4.500	-6.000	-.59257	-.02274	.58242	.02703	1.76390	1494.50000	1594.20000	1498.30000	1598.10001	-.55930
4.500	-5.000	-.58728	-.02240	.58064	.02706	1.76590	1494.89999	1594.60001	1498.50000	1598.39999	-.57160
4.500	-4.000	-.58357	-.02138	.57833	.02747	1.76300	1494.80000	1594.50000	1498.80000	1598.70000	-.58460
4.500	-3.000	-.58032	-.02000	.57462	.02784	1.76540	1494.80000	1594.39999	1498.39999	1598.30000	-.60018
4.500	-2.000	-.57856	-.01902	.57243	.02824	1.76470	1494.70000	1594.39999	1498.20000	1598.00000	-.61821
4.500	-1.000	-.57638	-.01801	.57088	.02827	1.76290	1494.60001	1594.20000	1498.39999	1598.30000	-.63594
4.500	-.000	-.57375	-.01595	.56998	.02791	1.76370	1494.89999	1594.50000	1498.20000	1598.00000	-.65231
4.500	1.000	-.57085	-.01640	.56934	.02709	1.76520	1494.89999	1594.60001	1498.00000	1597.89999	-.66948
4.500	2.000	-.56814	-.01643	.56914	.02659	1.76520	1495.00000	1594.60001	1498.10001	1598.00000	-.68778
4.500	3.000	-.56442	-.01706	.56777	.02633	1.76410	1495.00000	1594.70000	1498.10001	1598.00000	-.70826
4.500	4.000	-.56002	-.01750	.56736	.02642	1.76540	1495.80000	1595.50000	1499.20000	1599.10001	-.72654
4.500	5.000	-.55574	-.01733	.56689	.02641	1.76430	1496.20000	1595.89999	1499.39999	1599.39999	-.74025
4.500	6.000	-.55169	-.01698	.56593	.02656	1.76330	1495.80000	1595.50000	1498.80000	1598.70000	-.75120
4.500	7.000	-.54770	-.01377	.56491	.02654	1.76380	1495.39999	1595.10001	1498.80000	1598.70000	-.76226
4.500	8.000	-.54361	-.01635	.56434	.02654	1.76590	1495.30000	1595.00000	1498.60001	1598.50000	-.77483
4.500	9.000	-.54000	-.01575	.56377	.02674	1.76480	1496.20000	1595.89999	1499.20000	1599.10001	-.78898
4.500	10.000	-.53688	-.01509	.56353	.02699	1.76390	1496.30000	1596.10001	1499.20000	1599.10001	-.80534
	GRADIENT	.00296	.00051	-.00128	-.00015	.00001	.10909	.11091	.04182	.04819	-.01734

ORIGINAL PAGE IS
OF POOR QUALITY

AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTNG)

(STQ036) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.400 ALPHA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 144/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DBET-R
4.500	-10.000	-.57666	-.01037	.57935	.02764	1.85970	1501.20000	1601.20000	1505.80000	1606.20000	-.43295
4.500	-9.000	-.57740	-.01069	.57677	.02797	1.85670	1501.80000	1601.89999	1506.20000	1606.30001	-.44722
4.500	-8.000	-.57792	-.01215	.57436	.02823	1.85720	1502.20000	1602.30000	1506.20000	1606.60001	-.46041
4.500	-7.000	-.57855	-.01466	.57293	.02850	1.85110	1502.00000	1602.20000	1503.00000	1606.39999	-.47823
4.500	-6.000	-.58035	-.01771	.57346	.02843	1.85710	1502.30000	1602.50000	1506.60001	1607.10001	-.49841
4.500	-5.000	-.58448	-.02003	.57386	.02805	1.85770	1502.60001	1602.80000	1506.39999	1606.80000	-.51735
4.500	-4.000	-.58682	-.02204	.57253	.02764	1.85690	1502.30000	1602.39999	1506.80000	1607.30000	-.52770
4.500	-3.000	-.58706	-.02306	.57035	.02732	1.85710	1501.30000	1601.30000	1505.70000	1606.10001	-.53021
4.500	-2.000	-.58259	-.02182	.56736	.02638	1.85540	1500.89999	1601.00000	1505.50000	1605.89999	-.49958
4.500	-1.000	-.58046	-.02029	.56664	.02547	1.85630	1500.70000	1600.80000	1505.80000	1606.20000	-.48824
4.500	-.000	-.57670	-.01856	.56556	.02432	1.85560	1500.70000	1600.70000	1505.30000	1605.60001	-.47209
4.500	1.000	-.57569	-.01800	.56404	.02337	1.85410	1500.89999	1601.00000	1505.39999	1605.80000	-.46026
4.500	2.000	-.57559	-.01808	.56212	.02253	1.85650	1500.70000	1600.70000	1505.00000	1605.30000	-.44612
4.500	3.000	-.57726	-.01871	.56011	.02189	1.85500	1501.10001	1601.20000	1505.39999	1605.70000	-.43912
4.500	4.000	-.57925	-.01937	.55877	.02148	1.85650	1500.70000	1600.70000	1505.39999	1605.80000	-.44452
4.500	5.000	-.58143	-.02006	.55874	.02142	1.85630	1500.80000	1600.89999	1505.50000	1605.80000	-.46201
4.500	6.000	-.58399	-.02082	.55972	.02167	1.85570	1500.70000	1600.80000	1505.39999	1605.80000	-.48296
4.500	7.000	-.58597	-.02198	.55922	.02241	1.85250	1500.60001	1600.60001	1505.80000	1606.20000	-.50490
4.500	8.000	-.58852	-.02309	.55691	.02387	1.85590	1500.80000	1600.89999	1505.50000	1605.89999	-.52582
4.500	9.000	-.59139	-.02315	.55578	.02534	1.85420	1500.60001	1600.70000	1505.50000	1605.80000	-.54565
4.500	10.000	-.59497	-.02262	.55559	.02648	1.85730	1501.50000	1601.60001	1506.10001	1606.50000	-.56600
	GRADIENT	.00085	.00070	-.00159	-.00076	-.00014	-.14727	-.15454	-.11273	-.12545	.00925

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 OIET1S1 SRB DATA (O/ET SEPRING)

(STQ037) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = .400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 2.000 R-SRB = 2.000
 SRBPOS = 2.200 PT-JET = 1500.000
 RN/L = 2.100 BETA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 163/ 0 RN/L = 2.14 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.50162	-.03501	.49068	.05505	1.84860	1496.80000	1596.60001	1500.30000	1600.30000	-3.81350
4.500	-9.000	-.49858	-.03443	.48489	.05155	1.85090	1495.80000	1595.50000	1499.50000	1599.50000	-3.81940
4.500	-8.000	-.49229	-.02771	.48647	.04892	1.85140	1495.60001	1595.30000	1498.80000	1598.80000	-3.77770
4.500	-7.000	-.48753	-.02518	.48518	.04331	1.85200	1495.39999	1595.10001	1498.89999	1598.89999	-3.74030
4.500	-6.000	-.48299	-.02535	.48378	.04256	1.85170	1495.20000	1594.89999	1499.00000	1598.89999	-3.76890
4.500	-5.000	-.47661	-.02386	.48037	.04038	1.85250	1495.50000	1595.10001	1498.80000	1598.70000	-3.76440
4.500	-4.000	-.46850	-.02401	.47432	.03931	1.85140	1495.60001	1595.30000	1498.60001	1598.50000	-3.75490
4.500	-3.000	-.45528	-.02684	.47485	.03895	1.86290	1497.00000	1596.80000	1499.89999	1599.89999	-3.73280
4.500	-2.000	-.45621	-.03156	.47584	.03542	1.85860	1499.00000	1599.89999	1502.20000	1602.30000	-3.75410
4.500	-1.000	-.44246	-.02523	.47123	.03269	1.85810	1500.00000	1600.00000	1503.30000	1603.50000	-3.72040
4.500	-.000	-.43516	-.02155	.46467	.02793	1.85830	1500.60001	1600.70000	1503.89999	1604.20000	-3.70820
4.500	1.000	-.43185	-.02059	.46369	.02465	1.85650	1500.89999	1600.89999	1503.89999	1604.20000	-3.71200
4.500	2.000	-.42732	-.01921	.46570	.02376	1.85810	1501.50000	1601.60001	1504.30000	1604.60001	-3.71020
4.500	3.000	-.42278	-.01754	.46583	.02248	1.85400	1500.60001	1600.70000	1504.10001	1604.30000	-3.70280
4.500	4.000	-.41483	-.01380	.47168	.02559	1.85640	1500.30000	1600.39999	1503.50000	1603.70000	-3.68100
4.500	5.000	-.40757	-.01059	.47393	.02829	1.85980	1500.82999	1601.00000	1504.20000	1604.39999	-3.66550
4.500	6.000	-.40266	-.00845	.47332	.02874	1.85530	1501.10001	1601.20000	1504.30000	1604.60001	-3.66290
4.500	7.000	-.39727	-.00601	.47134	.02916	1.85610	1501.00000	1601.10001	1504.50000	1604.80000	-3.66170
4.500	8.000	-.39173	-.00376	.46906	.02961	1.85910	1501.60001	1601.70000	1504.30000	1604.60001	-3.66640
4.500	9.000	-.38577	-.00224	.46673	.03046	1.85730	1501.60001	1601.70000	1504.39999	1604.70000	-3.67770
4.500	10.000	-.37958	-.00140	.46426	.03141	1.85550	1500.80000	1600.80000	1503.89999	1604.10001	-3.69580
	GRADIENT	.00650	.00149	-.00089	-.00178	.00025	.56818	.61727	.58182	.61636	.00888

ORIGINAL PAGE IS
OF POOR QUALITY

AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)

(STQ038) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 1500.000
 RN/L = 2.100 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 178/ 0 RN/L = 2.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.53703	-.01478	.50433	.02827	1.86560	1495.10001	1594.80000	1499.70000	1599.70000	-8.63110
4.500	-9.000	-.52369	-.01850	.49553	.03098	1.86580	1495.39999	1595.10001	1499.89999	1599.89999	-8.62960
4.500	-8.000	-.51276	-.02081	.48993	.03203	1.87320	1497.30000	1597.10001	1500.00000	1600.00000	-8.62510
4.500	-7.000	-.50118	-.02416	.48205	.03505	1.87710	1498.00000	1597.80000	1502.30000	1602.39999	-8.60900
4.500	-6.000	-.49129	-.02671	.47852	.03543	1.87540	1499.39999	1599.39999	1503.39999	1603.60001	-8.60750
4.500	-5.000	-.48168	-.02866	.47581	.03505	1.87400	1500.00000	1600.00000	1504.30000	1604.60001	-8.60440
4.500	-4.000	-.47377	-.02829	.47414	.03456	1.87290	1500.20000	1600.20000	1504.39999	1604.70000	-8.59280
4.500	-3.000	-.46375	-.02394	.47158	.03413	1.87260	1501.10001	1601.20000	1504.89999	1605.20000	-8.56300
4.500	-2.000	-.45707	-.02413	.46666	.03384	1.85910	1500.30000	1600.30000	1504.00000	1604.30000	-8.55330
4.500	-1.000	-.45246	-.02519	.46169	.03321	1.85660	1497.89999	1597.80000	1501.80000	1601.89999	-8.54870
4.500	-.000	-.45231	-.02591	.45753	.03096	1.86190	1496.50000	1596.30000	1500.30000	1600.30000	-8.54850
4.500	1.000	-.45193	-.02543	.45414	.02846	1.86550	1496.00000	1595.70000	1499.80000	1599.80000	-8.54380
4.500	2.000	-.44689	-.02627	.45485	.02313	1.86650	1496.00000	1595.80000	1500.10001	1600.10001	-8.53820
4.500	3.000	-.42976	-.02709	.46995	.01557	1.87570	1497.00000	1596.80000	1500.70000	1600.70000	-8.51590
4.500	4.000	-.41477	-.02173	.48098	.01723	1.87480	1498.20000	1598.00000	1502.00000	1602.20000	-8.47060
4.500	5.000	-.41129	-.01932	.48162	.01494	1.87380	1498.60001	1598.50000	1502.50000	1602.60001	-8.45170
4.500	6.000	-.41278	-.01658	.47577	.01352	1.87420	1498.89999	1598.80000	1502.80000	1603.00000	-8.43890
4.500	7.000	-.41408	-.01412	.47048	.01379	1.87520	1500.20000	1600.20000	1503.80000	1604.10001	-8.42390
4.500	8.000	-.41204	-.01121	.46575	.01488	1.87450	1500.60001	1600.70000	1504.60001	1604.89999	-8.39690
4.500	9.000	-.40790	-.00838	.46258	.01577	1.86860	1500.70000	1600.70000	1504.80000	1605.20000	-8.35040
4.500	10.000	-.40361	-.00592	.45901	.01716	1.87370	1500.10001	1600.10001	1504.10001	1604.39999	-8.29190
	GRADIENT	.00646	.00054	.00019	-.00229	.00036	-.34363	-.36909	-.37273	-.40000	.01298

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET151 SRB DATA (O/ET SEPRING)

(STQ039) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 340.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 141/ 0 RN/L = 1.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.17448	-.02067	.14387	.01335	.39346	341.99000	364.79000	343.62000	366.53000	-.06363
4.500	-9.000	-.16723	-.01896	.14041	.01328	.39345	342.00000	364.80000	343.68000	366.60000	-.06605
4.500	-8.000	-.16100	-.01689	.13534	.01349	.38901	341.89000	364.68000	343.66000	366.57000	-.06991
4.500	-7.000	-.15534	-.01487	.12934	.01383	.38721	341.18000	363.94000	343.20000	366.08000	-.07362
4.500	-6.000	-.15073	-.01255	.12314	.01426	.38740	340.66000	363.37000	342.44000	365.27000	-.07827
4.500	-5.000	-.14690	-.01018	.11816	.01460	.38707	340.48000	363.17000	341.99000	364.79000	-.08362
4.500	-4.000	-.14312	-.00782	.11449	.01481	.38740	339.80000	362.46000	341.65000	364.43000	-.08884
4.500	-3.000	-.13920	-.00572	.11214	.01489	.38785	339.59000	362.23000	341.32000	364.08000	-.09444
4.500	-2.000	-.13501	-.00378	.11032	.01505	.38847	339.28000	361.90000	341.04000	363.78000	-.10018
4.500	-1.000	-.13136	-.00147	.10883	.01533	.38975	339.24000	361.86000	341.13000	363.87000	-.10568
4.500	.000	-.12759	.00069	.10904	.01525	.39060	339.29000	361.91000	341.04000	363.77000	-.11202
4.500	1.000	-.12291	.00214	.11103	.01454	.39175	339.55000	362.19000	341.11000	363.85000	-.11937
4.500	2.000	-.11771	.00319	.11315	.01386	.39177	339.83000	362.49000	341.48000	364.25000	-.12887
4.500	3.000	-.11231	.00407	.11445	.01337	.39189	339.80000	362.45000	341.74000	364.53000	-.13885
4.500	4.000	-.10647	.00449	.11541	.01327	.39229	340.21000	362.89000	341.85000	364.64000	-.14943
4.500	5.000	-.09971	.00454	.11582	.01325	.39210	340.44000	363.14000	342.07000	364.87000	-.15947
4.500	6.000	-.09258	.00461	.11591	.01286	.39208	340.52000	363.22000	342.10000	364.90000	-.16786
4.500	7.000	-.08542	.00487	.11611	.01195	.39203	340.74000	363.46000	342.15000	364.96000	-.17588
4.500	8.000	-.07805	.00538	.11674	.01129	.39208	340.77000	363.48000	342.34000	365.16000	-.18489
4.500	9.000	-.07114	.00618	.11735	.01138	.39177	340.89000	363.62000	342.39000	365.22000	-.19269
4.500	10.000	-.06431	.00691	.11803	.01153	.39189	341.05000	363.79000	342.50000	365.34000	-.20042
	GRADIENT	.00460	.00154	.00006	-.00019	.00059	.03164	.03400	.03018	.03191	-.00751

AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)

(STQ040) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 750.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 140/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.28741	-.01845	.25332	.01433	.91405	748.16000	798.04000	754.57000	804.88000	-.20625
4.500	-9.000	-.28007	-.01589	.25082	.01381	.91533	748.16000	798.04000	754.26000	804.54000	-.20708
4.500	-8.000	-.27677	-.01463	.24654	.01338	.91467	748.10000	797.97000	754.29000	804.58000	-.21579
4.500	-7.000	-.27485	-.01340	.24288	.01328	.91442	748.21000	799.09000	754.33000	804.62000	-.22764
4.500	-6.000	-.27070	-.01140	.23922	.01333	.91415	748.03000	797.90000	754.39000	804.68000	-.23366
4.500	-5.000	-.26688	-.00931	.23640	.01361	.91331	747.97000	797.84000	754.43000	804.73000	-.23992
4.500	-4.000	-.26498	-.00803	.23420	.01381	.91465	747.98000	797.85000	754.61000	804.92000	-.25045
4.500	-3.000	-.26193	-.00722	.23306	.01378	.91405	748.04000	797.90000	754.52000	804.82000	-.26141
4.500	-2.000	-.25870	-.00692	.23322	.01361	.91317	748.10000	797.98000	754.51000	804.81000	-.27404
4.500	-1.000	-.25510	-.00706	.23359	.01324	.91464	748.07000	797.94000	754.69000	805.01000	-.28630
4.500	.000	-.24848	-.00657	.23441	.01277	.91475	747.80000	797.66000	754.57000	804.88000	-.29261
4.500	1.000	-.23953	-.00572	.23513	.01251	.91394	747.91000	797.78000	754.58000	804.89000	-.29485
4.500	2.000	-.23303	-.00621	.23438	.01271	.91485	747.99000	797.85000	754.59000	804.90000	-.30421
4.500	3.000	-.22799	-.00693	.23303	.01290	.91412	748.06000	797.93000	754.62000	804.93000	-.31639
4.500	4.000	-.22256	-.00699	.23207	.01310	.91374	747.91000	797.77000	754.50000	804.80000	-.32562
4.500	5.000	-.21834	-.00640	.23201	.01261	.91430	747.99000	797.85000	754.66000	804.98000	-.33349
4.500	6.000	-.21589	-.00543	.23219	.01220	.91389	747.89000	797.75000	754.57000	804.88000	-.34532
4.500	7.000	-.21166	-.00416	.23234	.01231	.91307	747.81000	797.67000	754.51000	804.81000	-.35778
4.500	8.000	-.20670	-.00323	.23281	.01267	.91437	747.91000	797.77000	754.28000	804.56000	-.37328
4.500	9.000	-.20044	-.00289	.23415	.01266	.91245	747.86000	797.71000	754.33000	804.62000	-.38996
4.500	10.000	-.19377	-.00252	.23561	.01252	.91359	747.79000	797.64000	754.27000	804.56000	-.40452
	GRADIENT	.00528	.00020	-.00024	-.00012	.00004	-.00455	-.00546	.00964	.01054	-.00911

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TABULATED SOURCE DATA. AEDC VA 422. 1A61

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AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)

(STQ041) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 750.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 139/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DBET-R
4.500	-10.000	-.23833	-.00549	.23591	.01220	.91470	752.85000	803.04000	759.14000	809.75000	-.10849
4.500	-9.000	-.23683	-.00602	.23481	.01203	.91279	751.78000	801.90000	758.15000	808.69000	-.12786
4.500	-8.000	-.23573	-.00667	.23391	.01207	.91437	751.00000	801.07000	757.44000	807.94000	-.14451
4.500	-7.000	-.23561	-.00704	.23353	.01206	.91785	750.55000	800.59000	756.96000	807.43000	-.15993
4.500	-6.000	-.23621	-.00716	.23331	.01167	.91678	750.20000	800.21000	756.71000	807.16000	-.17405
4.500	-5.000	-.23665	-.00775	.23282	.01144	.91839	749.94000	799.94000	756.56000	806.99000	-.18810
4.500	-4.000	-.23760	-.00840	.23277	.01125	.91836	749.97000	799.96000	756.52000	806.95000	-.20144
4.500	-3.000	-.23990	-.00854	.23364	.01088	.91674	749.77000	799.76000	756.62000	807.06000	-.21391
4.500	-2.000	-.24259	-.00851	.23310	.01148	.91806	749.94000	799.93000	756.43000	806.86000	-.22298
4.500	-1.000	-.24877	-.00708	.23311	.01249	.91794	749.76000	799.75000	756.45000	806.88000	-.24805
4.500	-.000	-.25179	-.00664	.23394	.01292	.91719	749.80000	799.78000	756.46000	806.89000	-.27198
4.500	1.000	-.25093	-.00549	.23477	.01286	.91912	749.78000	799.76000	756.42000	806.85000	-.27711
4.500	2.000	-.25253	-.00531	.23488	.01330	.91681	749.93000	799.92000	756.50000	806.93000	-.28757
4.500	3.000	-.25353	-.00568	.23439	.01395	.91849	749.68000	799.65000	756.35000	806.78000	-.30379
4.500	4.000	-.25472	-.00522	.23405	.01508	.91702	749.80000	799.89000	756.39000	806.81000	-.32160
4.500	5.000	-.25592	-.00674	.23306	.01665	.91877	749.76000	799.74000	756.26000	806.68000	-.33954
4.500	6.000	-.25740	-.00734	.23142	.01830	.91791	749.84000	799.83000	756.40000	806.83000	-.35772
4.500	7.000	-.25884	-.00783	.22892	.02022	.91794	749.73000	799.71000	756.31000	806.74000	-.37810
4.500	8.000	-.26137	-.00795	.22619	.02227	.91730	749.63000	799.50000	756.26000	806.68000	-.39902
4.500	9.000	-.26466	-.00764	.22263	.02436	.91613	749.47000	799.43000	756.11000	806.52000	-.42142
4.500	10.000	-.26804	-.00764	.22039	.02573	.91663	749.44000	799.40000	756.08000	806.49000	-.44387
	GRADIENT	-.00207	.00028	.00013	.00050	.00000	-.01318	-.01473	-.02473	-.02582	-.01514

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OF POOR QUALITY

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTNG)

(STQ042) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 136/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.51165	-.02093	.47737	.01918	1.84940	1502.20000	1602.30000	1503.80000	1604.10001	-.47773
4.500	-9.000	-.50700	-.02139	.47621	.01904	1.84630	1502.00000	1602.20000	1503.80000	1604.00000	-.49647
4.500	-8.000	-.50400	-.02199	.47431	.01908	1.84710	1501.39999	1601.50000	1503.39999	1603.70000	-.51314
4.500	-7.000	-.49920	-.02244	.47167	.01902	1.84980	1501.39999	1601.50000	1504.00000	1604.20000	-.52675
4.500	-6.000	-.49257	-.02242	.46923	.01881	1.84890	1501.60001	1601.70000	1504.00000	1604.30000	-.53952
4.500	-5.000	-.48623	-.02220	.46748	.01896	1.84980	1501.60001	1601.70000	1504.60001	1604.89999	-.54996
4.500	-4.000	-.48201	-.02179	.46465	.01914	1.85040	1502.60001	1602.80000	1505.50000	1605.89999	-.56493
4.500	-3.000	-.47868	-.02080	.46152	.01900	1.85250	1503.00000	1603.20000	1506.39999	1606.80000	-.58086
4.500	-2.000	-.47575	-.01932	.46009	.01912	1.83870	1503.00000	1603.20000	1506.20000	1606.60001	-.59733
4.500	-1.000	-.46963	-.01698	.45778	.01874	1.83310	1500.10001	1600.10001	1503.50000	1603.70000	-.60933
4.500	-.000	-.46453	-.01555	.45773	.01875	1.83670	1498.70000	1598.60001	1502.20000	1602.30000	-.62644
4.500	1.000	-.46073	-.01516	.45734	.01877	1.84510	1498.30000	1598.20000	1502.10001	1602.30000	-.64932
4.500	2.000	-.45690	-.01488	.45781	.01873	1.84520	1498.80000	1598.70000	1502.80000	1602.89999	-.67217
4.500	3.000	-.45237	-.01462	.45747	.01859	1.84540	1499.10001	1599.00000	1503.00000	1603.30000	-.69353
4.500	4.000	-.44921	-.01450	.45741	.01875	1.84540	1499.10001	1599.00000	1502.89999	1603.10001	-.71342
4.500	5.000	-.44560	-.01446	.45683	.01905	1.84560	1499.20000	1599.20000	1503.00000	1603.20000	-.73217
4.500	6.000	-.44229	-.01451	.45600	.01965	1.84470	1499.39999	1599.39999	1503.30000	1603.50000	-.75076
4.500	7.000	-.43894	-.01458	.45503	.02042	1.84580	1499.50000	1599.39999	1503.10001	1603.30000	-.76830
4.500	8.000	-.43476	-.01404	.45421	.02126	1.84590	1498.70000	1598.60001	1502.50000	1602.70000	-.78163
4.500	9.000	-.43222	-.01324	.45452	.02194	1.84540	1498.70000	1598.60001	1502.00000	1602.10001	-.79560
4.500	10.000	-.42846	-.01222	.45522	.02210	1.84570	1498.50000	1598.39999	1502.30000	1602.50000	-.81105
	GRADIENT	.00418	.00088	-.00090	-.00003	-.00034	-.43546	-.46545	-.33455	-.35455	-.01848

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTRNG)

(STQ043) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 153/ 0 RN/L = 1.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.50665	-.02053	.47215	.01895	1.87840	1496.00000	1595.70000	1500.50000	1600.50000	-.47454
4.500	-9.000	-.50253	-.02108	.47034	.01862	1.87640	1496.10001	1595.80000	1500.50000	1600.50000	-.49429
4.500	-8.000	-.49963	-.02165	.46838	.01876	1.88120	1497.10001	1596.39999	1501.60001	1601.70000	-.51088
4.500	-7.000	-.49504	-.02210	.46662	.01879	1.87690	1497.50000	1597.30000	1502.00000	1602.20000	-.52482
4.500	-6.000	-.48814	-.02202	.46396	.01855	1.87810	1498.00000	1597.89999	1502.39999	1602.50000	-.53608
4.500	-5.000	-.48197	-.02188	.46157	.01870	1.87640	1497.10001	1596.89999	1501.50000	1601.60001	-.54869
4.500	-4.000	-.47721	-.02148	.45857	.01878	1.88190	1497.00000	1596.89999	1501.70000	1601.80000	-.56243
4.500	-3.000	-.47370	-.02037	.45530	.01874	1.87560	1497.00000	1596.80000	1501.39999	1601.50000	-.57787
4.500	-2.000	-.47046	-.01868	.45363	.01866	1.87850	1496.50000	1596.30000	1501.30000	1601.39999	-.59328
4.500	-1.000	-.46572	-.01644	.45313	.01850	1.88040	1497.00000	1596.80000	1501.89999	1602.10001	-.60723
4.500	.000	-.46067	-.01516	.45282	.01844	1.87760	1497.70000	1597.50000	1502.30000	1602.39999	-.62600
4.500	1.000	-.45684	-.01473	.45272	.01855	1.88210	1497.60001	1597.50000	1502.50000	1602.70000	-.64869
4.500	2.000	-.45313	-.01450	.45318	.01856	1.87880	1498.10001	1597.89999	1502.60001	1602.80000	-.67224
4.500	3.000	-.44952	-.01425	.45364	.01850	1.87950	1498.00000	1597.89999	1502.70000	1602.89999	-.69331
4.500	4.000	-.44562	-.01413	.45304	.01852	1.87630	1497.80000	1597.70000	1502.50000	1602.70000	-.71298
4.500	5.000	-.44180	-.01406	.45204	.01879	1.87810	1497.60001	1597.39999	1502.30000	1602.39999	-.73136
4.500	6.000	-.43866	-.01415	.45114	.01941	1.88180	1498.20000	1598.00000	1502.70000	1602.89999	-.75053
4.500	7.000	-.43493	-.01411	.45023	.02017	1.87670	1497.70000	1597.60001	1502.30000	1602.39999	-.76777
4.500	8.000	-.43097	-.01366	.44912	.02105	1.87640	1496.80000	1596.60001	1501.30000	1601.39999	-.78149
4.500	9.000	-.42770	-.01273	.44941	.02163	1.87690	1496.50000	1596.20000	1501.50000	1601.60001	-.79527
4.500	10.000	-.42454	-.01190	.45082	.02191	1.87660	1496.30000	1596.10001	1500.70000	1600.70000	-.81085
	GRADIENT	.00403	.00088	-.00069	-.00001	.00000	.11353	.11727	.13000	.13818	-.01874

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ETISI SRB DATA (O/ET SEPRTNG)

(STQ044) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 300.000 X = .000
 Y = .000 Z = .000

RUN NO. 189/ 0 RN/L = 1.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.50822	-.01924	.47925	.02142	1.76340	1497.89999	1597.70000	1501.89999	1602.00000	-.47937
4.500	-9.000	-.50284	-.01944	.47722	.02106	1.76090	1498.39999	1598.30000	1502.50000	1602.70000	-.49553
4.500	-8.000	-.49891	-.02001	.47491	.02116	1.75980	1498.89999	1598.80000	1502.60001	1602.80000	-.51231
4.500	-7.000	-.49297	-.02001	.47231	.02114	1.75580	1498.39999	1598.30000	1501.80000	1602.00000	-.52272
4.500	-6.000	-.48658	-.01961	.46969	.02096	1.76200	1498.20000	1598.10001	1501.60001	1601.80000	-.53172
4.500	-5.000	-.48099	-.01948	.46811	.02095	1.75970	1498.20000	1598.10001	1501.60001	1601.70000	-.54296
4.500	-4.000	-.47577	-.01928	.46568	.02099	1.76000	1498.20000	1598.10001	1501.30000	1601.39999	-.55834
4.500	-3.000	-.47230	-.01838	.46346	.02096	1.76050	1497.89999	1597.80000	1501.30000	1601.39999	-.57487
4.500	-2.000	-.46992	-.01724	.46164	.02091	1.76130	1498.00000	1597.80000	1501.39999	1601.50000	-.59342
4.500	-1.000	-.46754	-.01592	.46042	.02102	1.76080	1497.80000	1597.70000	1501.10001	1601.10001	-.61247
4.500	.000	-.46435	-.01465	.45961	.02079	1.76240	1498.50000	1598.39999	1501.60001	1601.70000	-.63172
4.500	1.000	-.46044	-.01388	.45911	.02058	1.76070	1499.10001	1599.10001	1502.39999	1602.50000	-.65247
4.500	2.000	-.45721	-.01395	.45873	.02038	1.76060	1498.60001	1598.60001	1501.50000	1601.60001	-.67632
4.500	3.000	-.45333	-.01378	.45846	.02006	1.76090	1498.20000	1598.10001	1501.39999	1601.50000	-.69853
4.500	4.000	-.44954	-.01348	.45798	.01986	1.76110	1498.20000	1598.10001	1501.39999	1601.50000	-.71780
4.500	5.000	-.44518	-.01309	.45685	.01998	1.76110	1498.20000	1598.10001	1501.20000	1601.20000	-.73338
4.500	6.000	-.44088	-.01280	.45516	.02039	1.76060	1498.80000	1598.70000	1501.50000	1601.60001	-.74899
4.500	7.000	-.43675	-.01274	.45360	.02090	1.75830	1499.39999	1599.30000	1502.20000	1602.30000	-.76503
4.500	8.000	-.43326	-.01236	.45274	.02149	1.75720	1498.70000	1598.60001	1501.70000	1601.89999	-.77906
4.500	9.000	-.42979	-.01142	.45249	.02195	1.76080	1498.39999	1598.30000	1501.39999	1601.50000	-.79388
4.500	10.000	-.42787	-.01049	.45439	.02220	1.75980	1499.10001	1599.00000	1502.30000	1602.50000	-.81090
	GRADIENT	.00339	.00071	-.00099	-.00012	.00010	.03091	.03545	.00182	-.00182	-.01970

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTNG)

(STQ045) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 135/ 0 RN/L = 1.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DBET-R
4.500	-10.000	-.46950	-.00976	.47083	.02208	1.84090	1498.50000	1598.39999	1502.00000	1602.10001	-.38819
4.500	-9.000	-.47112	-.01051	.46883	.02211	1.84230	1498.20000	1598.10001	1501.50000	1601.60001	-.40327
4.500	-8.000	-.47528	-.01184	.46701	.02238	1.84370	1498.00000	1597.80000	1501.50000	1601.60001	-.41768
4.500	-7.000	-.47933	-.01376	.46577	.02272	1.84350	1498.20000	1598.10001	1501.39999	1601.50000	-.42928
4.500	-6.000	-.47927	-.01531	.46422	.02281	1.84510	1498.70000	1598.60001	1502.00000	1602.20000	-.44468
4.500	-5.000	-.47725	-.01747	.46333	.02262	1.84370	1499.30000	1599.30000	1502.00000	1602.10001	-.46562
4.500	-4.000	-.47656	-.01849	.46265	.02200	1.84610	1499.10001	1599.10001	1502.50000	1602.70000	-.48449
4.500	-3.000	-.47390	-.01793	.46040	.02119	1.84320	1499.39999	1599.39999	1503.10001	1603.30000	-.48656
4.500	-2.000	-.47071	-.01664	.45933	.02026	1.84530	1499.30000	1599.30000	1502.89999	1603.10001	-.47769
4.500	-1.000	-.46720	-.01548	.45870	.01938	1.84720	1499.10001	1599.00000	1503.00000	1603.20000	-.46928
4.500	-.000	-.46760	-.01572	.45838	.01854	1.84440	1499.10001	1599.10001	1503.30000	1603.50000	-.46592
4.500	1.000	-.46883	-.01632	.45767	.01790	1.84670	1499.20000	1599.20000	1503.39999	1603.60001	-.46648
4.500	2.000	-.47075	-.01698	.45733	.01748	1.84520	1499.50000	1599.50000	1503.39999	1603.60001	-.47090
4.500	3.000	-.47265	-.01697	.45690	.01749	1.84590	1499.80000	1599.80000	1503.70000	1603.89999	-.47875
4.500	4.000	-.47537	-.01730	.45699	.01875	1.84230	1499.50000	1599.50000	1503.50000	1603.70000	-.49310
4.500	5.000	-.47602	-.01702	.45619	.02010	1.84470	1499.39999	1599.30000	1503.30000	1603.50000	-.50851
4.500	6.000	-.47911	-.01684	.45471	.02119	1.84580	1499.89999	1599.89999	1503.60001	1603.80000	-.52957
4.500	7.000	-.48426	-.01629	.45430	.02203	1.84590	1499.70000	1599.70000	1503.50000	1603.80000	-.55039
4.500	8.000	-.48705	-.01643	.45415	.02267	1.84490	1499.70000	1599.70000	1503.80000	1604.00000	-.57366
4.500	9.000	-.48857	-.01683	.45441	.02363	1.84670	1500.30000	1600.30000	1504.10001	1604.39999	-.59863
4.500	10.000	-.49082	-.01730	.45361	.02434	1.84530	1500.00000	1600.00000	1504.10001	1604.30000	-.62148
	GRADIENT	.00012	.00008	-.00067	-.00040	-.00003	.03455	.03091	.12455	.12909	-.00190

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(STQ046) (23 OCT 75)

PARAMETRIC DATA

L-SRB	=	1.000	R-SRB	=	1.000
SRBPOS	=	1.100	PT-JET	=	.000
RN/L	=	2.100	BETA	=	.000
TO-JET	=	100.000	X	=	.000
Y	=	.000	Z	=	.000

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.07488	-.00937	.02309	.00508	.00000	.00000	.00000	.00000	.00000	.19356
4.500	-9.000	-.06772	-.00799	.02061	.00435	.00000	.00000	.00000	.00000	.00000	.18518
4.500	-8.000	-.06046	-.00673	.01781	.00372	.00000	.00000	.00000	.00000	.00000	.17456
4.500	-7.000	-.05322	-.00552	.01443	.00337	.00000	.00000	.00000	.00000	.00000	.16446
4.500	-6.000	-.04611	-.00447	.01070	.00326	.00000	.00000	.00000	.00000	.00000	.15464
4.500	-5.000	-.03915	-.00324	.00645	.00349	.00000	.00000	.00000	.00000	.00000	.14573
4.500	-4.000	-.03243	-.00223	.00151	.00406	.00000	.00000	.00000	.00000	.00000	.13620
4.500	-3.000	-.02595	-.00134	-.00370	.00495	.00000	.00000	.00000	.00000	.00000	.12636
4.500	-2.000	-.02020	-.00021	-.00871	.00623	.00000	.00000	.00000	.00000	.00000	.11693
4.500	-1.000	-.01522	.00119	-.01225	.00716	.00000	.00000	.00000	.00000	.00000	.10726
4.500	-.000	-.01055	.00214	-.01389	.00772	.00000	.00000	.00000	.00000	.00000	.09610
4.500	1.000	-.00549	.00315	-.01439	.00818	.00000	.00000	.00000	.00000	.00000	.08637
4.500	2.000	-.00105	.00452	-.01295	.00811	.00000	.00000	.00000	.00000	.00000	.07777
4.500	3.000	.00413	.00552	-.00990	.00746	.00000	.00000	.00000	.00000	.00000	.06883
4.500	4.000	.00960	.00631	-.00669	.00694	.00000	.00000	.00000	.00000	.00000	.06020
4.500	5.000	.01491	.00752	-.00380	.00661	.00000	.00000	.00000	.00000	.00000	.05341
4.500	6.000	.02127	.00842	-.00080	.00619	.00000	.00000	.00000	.00000	.00000	.04667
4.500	7.000	.02859	.00932	.00248	.00591	.00000	.00000	.00000	.00000	.00000	.04063
4.500	8.000	.03585	.01049	.00598	.00582	.00000	.00000	.00000	.00000	.00000	.03543
4.500	9.000	.04362	.01143	.00911	.00587	.00000	.00000	.00000	.00000	.00000	.02919
4.500	10.000	.05209	.01227	.01148	.00598	.00000	.00000	.00000	.00000	.00000	.02208
	GRADIENT	.00524	.00109	-.00103	.00036	.00000	.00000	.00000	.00000	.00000	-.00940

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(STQ047) (23 OCT 75)

PARAMETRIC DATA

L-SRB	=	2,000	R-SRB	=	2,000
SRBPOS	=	2,200	PT-JET	=	.000
RN/L	=	1,750	BETA	=	.000
TO-JET	=	100,000	X	=	147,000
Y	=	216,800	Z	=	259,400

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.10663	-.00985	.03646	.01320	.00000	.00000	.00000	.00000	.00000	-3.04020
4.500	-9.000	-.09606	-.00939	.03567	.01215	.00000	.00000	.00000	.00000	.00000	-3.03960
4.500	-8.000	-.08714	-.00870	.03585	.01149	.00000	.00000	.00000	.00000	.00000	-3.04160
4.500	-7.000	-.07877	-.00786	.03649	.01066	.00000	.00000	.00000	.00000	.00000	-3.04370
4.500	-6.000	-.06959	-.00727	.03724	.00943	.00000	.00000	.00000	.00000	.00000	-3.04540
4.500	-5.000	-.05985	-.00716	.03652	.00863	.00000	.00000	.00000	.00000	.00000	-3.04740
4.500	-4.000	-.05209	-.00629	.03733	.00777	.00000	.00000	.00000	.00000	.00000	-3.04820
4.500	-3.000	-.04391	-.00589	.03631	.00740	.00000	.00000	.00000	.00000	.00000	-3.04990
4.500	-2.000	-.03646	-.00538	.03539	.00743	.00000	.00000	.00000	.00000	.00000	-3.05260
4.500	-1.000	-.02956	-.00485	.03446	.00746	.00000	.00000	.00000	.00000	.00000	-3.05540
4.500	- .000	-.02347	-.00432	.03352	.00736	.00000	.00000	.00000	.00000	.00000	-3.05830
4.500	1.000	-.01847	-.00379	.03333	.00718	.00000	.00000	.00000	.00000	.00000	-3.06060
4.500	2.000	-.01308	-.00305	.03357	.00708	.00000	.00000	.00000	.00000	.00000	-3.05830
4.500	3.000	-.00720	-.00260	.03380	.00717	.00000	.00000	.00000	.00000	.00000	-3.05560
4.500	4.000	-.00230	-.00153	.03471	.00702	.00000	.00000	.00000	.00000	.00000	-3.05240
4.500	5.000	.00204	-.00055	.03652	.00641	.00000	.00000	.00000	.00000	.00000	-3.05150
4.500	6.000	.00686	.00043	.03865	.00548	.00000	.00000	.00000	.00000	.00000	-3.05110
4.500	7.000	.01244	.00125	.04146	.00455	.00000	.00000	.00000	.00000	.00000	-3.05180
4.500	8.000	.01810	.00196	.04471	.00346	.00000	.00000	.00000	.00000	.00000	-3.05320
4.500	9.000	.02461	.00245	.04793	.00241	.00000	.00000	.00000	.00000	.00000	-3.05600
4.500	10.000	.03099	.00287	.05169	.00117	.00000	.00000	.00000	.00000	.00000	-3.05960
	GRADIENT	.00615	.00062	-.00021	-.00014	.00000	.00000	.00000	.00000	.00000	-.00065

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(STQ048) (23 OCT 75)

PARAMETRIC DATA

L-SRB	=	2.000	R-SRB	=	2.000
SRBPOS	=	2.200	PT-JET	=	.000
RN/L	=	1.750	ALPHA	=	.000
TO-JET	=	100.000	X	=	147.000
Y	=	216.800	Z	=	259.400

MACH	BETA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DBET-R
4.500	-10.000	-.01453	-.01081	.08479	.02064	.00000	.00000	.00000	.00000	.00000	-4.51390
4.500	-9.000	-.01750	-.00943	.08115	.01917	.00000	.00000	.00000	.00000	.00000	-4.52040
4.500	-8.000	-.02159	-.00833	.07685	.01806	.00000	.00000	.00000	.00000	.00000	-4.52710
4.500	-7.000	-.02378	-.00803	.07074	.01718	.00000	.00000	.00000	.00000	.00000	-4.53360
4.500	-6.000	-.02631	-.00737	.06466	.01622	.00000	.00000	.00000	.00000	.00000	-4.54020
4.500	-5.000	-.02898	-.00645	.05878	.01504	.00000	.00000	.00000	.00000	.00000	-4.54660
4.500	-4.000	-.02898	-.00603	.05209	.01416	.00000	.00000	.00000	.00000	.00000	-4.55160
4.500	-3.000	-.02733	-.00615	.04587	.01319	.00000	.00000	.00000	.00000	.00000	-4.55540
4.500	-2.000	-.02614	-.00605	.04121	.01158	.00000	.00000	.00000	.00000	.00000	-4.55820
4.500	-1.000	-.02725	-.00524	.03672	.01006	.00000	.00000	.00000	.00000	.00000	-4.56220
4.500	-.000	-.02776	-.00461	.03364	.00809	.00000	.00000	.00000	.00000	.00000	-4.56660
4.500	1.000	-.02934	-.00393	.02921	.00670	.00000	.00000	.00000	.00000	.00000	-4.57180
4.500	2.000	-.03053	-.00332	.02462	.00532	.00000	.00000	.00000	.00000	.00000	-4.57630
4.500	3.000	-.03155	-.00272	.01968	.00412	.00000	.00000	.00000	.00000	.00000	-4.58250
4.500	4.000	-.03270	-.00213	.01451	.00304	.00000	.00000	.00000	.00000	.00000	-4.58890
4.500	5.000	-.03384	-.00154	.00970	.00189	.00000	.00000	.00000	.00000	.00000	-4.59630
4.500	6.000	-.03531	-.00083	.00478	.00090	.00000	.00000	.00000	.00000	.00000	-4.60450
4.500	7.000	-.03686	-.00008	-.00010	-.00013	.00000	.00000	.00000	.00000	.00000	-4.61150
4.500	8.000	-.03942	.00097	-.00576	-.00128	.00000	.00000	.00000	.00000	.00000	-4.61810
4.500	9.000	-.04127	.00214	-.01003	-.00261	.00000	.00000	.00000	.00000	.00000	-4.62520
4.500	10.000	-.04292	.00357	-.01411	-.00403	.00000	.00000	.00000	.00000	.00000	-4.63250
	GRADIENT	-.00057	.00052	-.00468	-.00139	.00000	.00000	.00000	.00000	.00000	-.00477

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTNG)

(STQ049) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 2.000 R-SRB = 2.000
 SRBPOS = 2.200 PT-JET = 1500.000
 RN/L = 1.020 BETA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 166/ 0 RN/L = 1.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.87120	-.03716	.82148	.03974	1.85650	1496.20000	1595.89999	1501.00000	1601.00000	-3.75650
4.500	-9.000	-.86509	-.03518	.82164	.04107	1.85880	1496.60001	1596.39999	1501.20000	1601.30000	-3.75190
4.500	-8.000	-.85977	-.03496	.82268	.04270	1.85930	1497.20000	1597.00000	1501.30000	1601.30000	-3.75080
4.500	-7.000	-.85486	-.03583	.82247	.04413	1.85770	1496.80000	1596.60001	1500.80000	1600.89999	-3.75100
4.500	-6.000	-.85127	-.03733	.82465	.04601	1.85720	1496.39999	1596.20000	1500.39999	1600.39999	-3.75260
4.500	-5.000	-.85143	-.04040	.82965	.04891	1.85900	1496.70000	1596.50000	1500.50000	1600.50000	-3.75590
4.500	-4.000	-.85786	-.04417	.83950	.05380	1.85800	1496.70000	1596.50000	1500.39999	1600.39999	-3.75240
4.500	-3.000	-.85784	-.04612	.84669	.05736	1.85900	1497.39999	1597.30000	1500.89999	1601.00000	-3.74970
4.500	-2.000	-.85490	-.04724	.85225	.06003	1.85920	1497.30000	1597.20000	1501.00000	1601.00000	-3.75210
4.500	-1.000	-.85204	-.04803	.85931	.06307	1.85580	1497.00000	1596.80000	1500.60001	1600.70000	-3.75640
4.500	.000	-.85237	-.04883	.87133	.06805	1.85550	1496.39999	1596.10001	1500.00000	1600.00000	-3.76410
4.500	1.000	-.84798	-.04734	.88492	.07185	1.85840	1496.20000	1595.89999	1499.39999	1599.39999	-3.76540
4.500	2.000	-.84770	-.04406	.89302	.06662	1.85850	1496.00000	1595.70000	1499.30000	1599.20000	-3.75180
4.500	3.000	-.84220	-.04225	.88617	.06146	1.85500	1496.00000	1595.70000	1499.50000	1599.50000	-3.74550
4.500	4.000	-.83782	-.04145	.87814	.05938	1.85950	1495.80000	1595.60001	1499.30000	1599.20000	-3.74310
4.500	5.000	-.83448	-.03919	.87231	.05766	1.85850	1495.89999	1595.60001	1498.89999	1598.80000	-3.73920
4.500	6.000	-.82754	-.03698	.86916	.05631	1.85910	1495.89999	1595.60001	1498.89999	1598.80000	-3.73610
4.500	7.000	-.82231	-.03552	.86699	.05520	1.85670	1495.70000	1595.39999	1499.10001	1599.00000	-3.73710
4.500	8.000	-.81465	-.03468	.86192	.05369	1.85770	1495.80000	1595.60001	1499.00000	1598.89999	-3.75000
4.500	9.000	-.80602	-.03259	.85539	.05172	1.85570	1495.50000	1595.20000	1499.10001	1599.00000	-3.76250
4.500	10.000	-.80051	-.03002	.85438	.04968	1.85610	1495.39999	1595.10001	1498.89999	1598.80000	-3.76750
	GRADIENT	.00209	.00032	.00540	.00091	-.00007	-.13818	-.15273	-.19273	-.20636	.00114

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET151 SRB DATA (O/ET SEPRING)

(STQ050) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 2.000 R-SRB = 2.000
 SRBPOS = 2.200 PT-JET = 1500.000
 RN/L = 1.400 BETA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.600 Z = 259.400

RUN NO. 164/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.69953	-.05224	.63786	.04738	1.86730	1502.50000	1602.60001	1506.39999	1606.80000	-3.82980
4.500	-9.000	-.69747	-.05163	.64871	.05315	1.86260	1503.00000	1603.20000	1506.60001	1607.10001	-3.82740
4.500	-8.000	-.68961	-.04986	.66641	.06305	1.84740	1500.39999	1600.39999	1503.60001	1603.89999	-3.81750
4.500	-7.000	-.67884	-.04261	.68108	.06779	1.85580	1497.80000	1597.60001	1501.30000	1601.39999	-3.78800
4.500	-6.000	-.67704	-.03644	.68831	.06504	1.86400	1498.80000	1598.70000	1501.80000	1601.89999	-3.77090
4.500	-5.000	-.67937	-.03370	.68427	.05711	1.86280	1499.70000	1599.70000	1502.60001	1602.70000	-3.76650
4.500	-4.000	-.67547	-.03172	.68046	.05302	1.86200	1500.00000	1600.00000	1503.10001	1603.30000	-3.75950
4.500	-3.000	-.67072	-.03050	.67608	.05198	1.85970	1500.39999	1600.39999	1503.30000	1603.50000	-3.75260
4.500	-2.000	-.66144	-.03105	.67045	.05118	1.84300	1497.00000	1596.80000	1500.80000	1600.89999	-3.74610
4.500	-1.000	-.65240	-.03264	.66782	.05000	1.85840	1495.70000	1595.39999	1499.30000	1599.20000	-3.74170
4.500	-.000	-.64714	-.03488	.66655	.04133	1.85830	1496.80000	1596.60001	1499.89999	1599.89999	-3.73820
4.500	1.000	-.64317	-.03234	.66807	.04519	1.85810	1496.60001	1596.39999	1499.89999	1599.89999	-3.75870
4.500	2.000	-.63714	-.03340	.66321	.04273	1.86290	1497.30000	1597.10001	1500.39999	1600.39999	-3.79130
4.500	3.000	-.62976	-.03027	.66134	.03934	1.86320	1498.20000	1598.10001	1501.20000	1601.20000	-3.79210
4.500	4.000	-.62333	-.02764	.66000	.03757	1.86180	1499.20000	1599.10001	1502.30000	1602.50000	-3.77840
4.500	5.000	-.61912	-.02465	.65956	.03629	1.85960	1499.80000	1599.80000	1502.60001	1602.80000	-3.77410
4.500	6.000	-.61418	-.02212	.65758	.03545	1.86280	1500.20000	1600.20000	1503.20000	1603.39999	-3.76950
4.500	7.000	-.60816	-.02057	.65592	.03541	1.86560	1500.89999	1601.00000	1503.80000	1604.10001	-3.77040
4.500	8.000	-.60104	-.01984	.65380	.03529	1.86370	1501.60001	1601.70000	1504.70000	1605.00000	-3.77580
4.500	9.000	-.59309	-.01877	.65206	.03480	1.86280	1501.70000	1601.80000	1505.00000	1605.39999	-3.78040
4.500	10.000	-.58561	-.01765	.65171	.03491	1.86390	1502.10001	1602.20000	1505.39999	1605.70000	-3.78350
	GRADIENT	.00628	.00053	-.00240	-.00205	.00030	-.07091	-.07636	-.08818	-.09000	-.00309

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTNG)

(STQ051) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 SREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 2.000 R-SRB = 2.000
 SRBPOS = 2.200 PT-JET = 1500.000
 RN/L = 1.400 ALPHA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 165/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	OBET-R
4.500	-10.000	-.63759	-.04292	.71874	.06532	1.86530	1504.39999	1604.70000	1507.80000	1608.30000	-5.06520
4.500	-9.000	-.64233	-.04265	.71412	.06461	1.86200	1503.80000	1604.00000	1506.80000	1607.20000	-5.07760
4.500	-8.000	-.64803	-.04249	.71276	.06393	1.86490	1504.30000	1604.60001	1507.39999	1607.89999	-5.08940
4.500	-7.000	-.65255	-.04210	.70937	.06231	1.83880	1502.70000	1602.89999	1506.20000	1606.70000	-5.09990
4.500	-6.000	-.65452	-.04133	.70492	.05935	1.86420	1500.70000	1600.80000	1504.10001	1604.39999	-5.10150
4.500	-5.000	-.65664	-.04011	.69987	.06072	1.84070	1501.30000	1601.39999	1505.10001	1605.39999	-5.10530
4.500	-4.000	-.65644	-.03823	.69285	.05778	1.84070	1496.39999	1596.10001	1500.80000	1600.80000	-5.09460
4.500	-3.000	-.65635	-.03625	.68634	.05564	1.85920	1496.30000	1596.10001	1501.10001	1601.20000	-5.09530
4.500	-2.000	-.65667	-.03467	.68082	.05391	1.86490	1497.60001	1597.39999	1502.20000	1602.30000	-5.09690
4.500	-1.000	-.65705	-.03296	.67630	.05167	1.86530	1499.80000	1599.70000	1504.20000	1604.50000	-5.09790
4.500	.000	-.65165	-.03489	.66811	.04359	1.86120	1501.20000	1601.30000	1505.60001	1605.89999	-5.08570
4.500	1.000	-.64601	-.02853	.66364	.04299	1.86330	1501.60001	1601.70000	1505.80000	1605.20000	-5.09450
4.500	2.000	-.64342	-.02793	.65596	.04357	1.86040	1501.89999	1602.00000	1506.50000	1607.00000	-5.10240
4.500	3.000	-.64111	-.02722	.64929	.04473	1.85850	1502.00000	1602.20000	1507.10001	1607.60001	-5.10840
4.500	4.000	-.63801	-.02584	.64815	.04676	1.85970	1502.00000	1602.10001	1506.80000	1607.30000	-5.11750
4.500	5.000	-.63080	-.02256	.64284	.04206	1.86060	1501.00000	1601.00000	1506.20000	1606.60001	-5.10600
4.500	6.000	-.63074	-.02409	.63939	.04166	1.85990	1501.39999	1601.50000	1506.30000	1606.70000	-5.11710
4.500	7.000	-.63063	-.02486	.63947	.04490	1.86040	1500.70000	1600.70000	1505.70000	1606.10001	-5.13720
4.500	8.000	-.63106	-.02704	.63594	.04568	1.86140	1500.89999	1601.00000	1505.60001	1606.00000	-5.14310
4.500	9.000	-.62698	-.03065	.63103	.04570	1.86160	1501.50000	1601.60001	1506.00000	1606.39999	-5.14980
4.500	10.000	-.62255	-.03470	.62542	.04525	1.86250	1501.60001	1601.70000	1506.20000	1606.60001	-5.15850
	GRADIENT	.00260	.00166	-.00580	-.00181	.00148	.44000	.46819	.52454	.56536	-.00129

AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)

(STQ052) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 2.000 R-SRB = 2.000
 SRBPOS = 2.200 PT-JET = 750.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 159/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.35627	-.03232	.30870	.03302	.91171	749.68000	799.66000	756.59000	807.03000	-3.43930
4.500	-9.000	-.34705	-.03181	.30896	.03030	.90955	749.88000	799.87000	756.43000	806.85000	-3.43970
4.500	-8.000	-.33645	-.02888	.30864	.02743	.91069	749.60000	799.57000	756.42000	806.84000	-3.42820
4.500	-7.000	-.32353	-.02514	.30767	.02551	.91005	749.46000	799.43000	756.28000	806.70000	-3.41020
4.500	-6.000	-.30817	-.01844	.30654	.02700	.91049	749.45000	799.41000	756.17000	806.58000	-3.38340
4.500	-5.000	-.29952	-.01610	.30378	.02528	.91007	749.33000	799.29000	756.21000	806.62000	-3.37360
4.500	-4.000	-.29404	-.01558	.29983	.02268	.90972	749.34000	799.30000	756.07000	806.47000	-3.37440
4.500	-3.000	-.28867	-.01428	.29573	.02145	.90997	749.29000	799.24000	755.86000	806.25000	-3.37240
4.500	-2.000	-.28374	-.01349	.29178	.02152	.90988	749.39000	799.35000	755.81000	806.20000	-3.37190
4.500	-1.000	-.27814	-.01280	.29068	.02113	.91114	749.22000	799.17000	755.63000	806.00000	-3.37130
4.500	-.000	-.27252	-.01264	.29111	.02030	.90967	749.01000	798.94000	755.46000	805.82000	-3.37190
4.500	1.000	-.26699	-.01212	.29287	.01970	.91132	749.07000	799.00000	755.50000	805.87000	-3.37140
4.500	2.000	-.26169	-.01140	.29524	.01926	.91007	749.14000	799.08000	755.39000	805.75000	-3.37040
4.500	3.000	-.25673	-.01015	.29846	.01885	.90825	749.12000	799.06000	755.47000	805.83000	-3.36680
4.500	4.000	-.25084	-.00904	.30098	.01888	.90948	748.88000	799.81000	755.38000	805.74000	-3.37340
4.500	5.000	-.24480	-.00658	.30397	.01867	.91131	749.13000	799.07000	755.38000	805.74000	-3.36350
4.500	6.000	-.23927	-.00446	.30806	.01792	.90973	749.14000	799.08000	755.23000	805.57000	-3.35570
4.500	7.000	-.23342	-.00252	.30991	.01796	.90915	748.90000	798.83000	755.18000	805.53000	-3.35130
4.500	8.000	-.22841	-.00132	.31111	.01834	.90828	748.97000	798.90000	755.11000	805.45000	-3.35450
4.500	9.000	-.22322	-.00051	.31132	.01904	.90870	748.90000	798.83000	755.06000	805.40000	-3.36240
4.500	10.000	-.21785	-.00010	.31145	.01937	.91014	748.90000	798.82000	755.04000	805.38000	-3.37500
	GRADIENT	.00543	.00083	.00021	-.00056	.00001	-.03636	-.03918	-.08227	-.08735	.00067

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 SR8 DATA (O/ET SEPRTNG)

(STQ053) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SR8 = 2.000 R-SR8 = 2.000
 SRBPOS = 2.200 PT-JET = 750.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 160/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DBET-R
4.500	-10.000	-.27502	-.02276	.36402	.03817	.90689	749.03000	798.96000	755.69000	806.07000	-4.83970
4.500	-9.000	-.27739	-.02135	.36100	.03735	.90947	748.77000	798.69000	755.48000	805.84000	-4.85790
4.500	-8.000	-.28414	-.02180	.35304	.03451	.91023	748.72000	798.63000	755.48000	805.85000	-4.86320
4.500	-7.000	-.28403	-.01951	.35517	.03516	.90915	748.68000	798.59000	755.58000	805.95000	-4.87760
4.500	-6.000	-.28480	-.01804	.34408	.03409	.90948	748.97000	798.90000	755.97000	806.37000	-4.87760
4.500	-5.000	-.28175	-.01476	.33350	.03416	.90926	748.89000	798.82000	755.98000	806.38000	-4.87350
4.500	-4.000	-.27899	-.01265	.32652	.03278	.90876	748.77000	798.69000	755.77000	806.15000	-4.86610
4.500	-3.000	-.27798	-.01194	.31793	.03001	.90984	748.73000	798.65000	755.88000	806.27000	-4.85590
4.500	-2.000	-.27817	-.01238	.30772	.02620	.90895	748.77000	798.68000	755.82000	806.21000	-4.84480
4.500	-1.000	-.27684	-.01274	.29603	.02259	.90826	748.80000	798.72000	755.89000	806.28000	-4.83670
4.500	.000	-.27602	-.01222	.29031	.02081	.90887	748.64000	798.54000	755.85000	806.24000	-4.83500
4.500	1.000	-.27449	-.01147	.28395	.01931	.90821	748.70000	798.62000	755.74000	806.12000	-4.83690
4.500	2.000	-.27394	-.01052	.27899	.01779	.90965	748.72000	798.63000	755.77000	806.16000	-4.83830
4.500	3.000	-.27363	-.00945	.27577	.01548	.90935	748.57000	798.47000	755.76000	806.15000	-4.83600
4.500	4.000	-.27299	-.00875	.27280	.01261	.91012	748.44000	798.34000	755.49000	805.86000	-4.82990
4.500	5.000	-.27279	-.00825	.26964	.01024	.90995	748.52000	798.42000	755.42000	805.78000	-4.82360
4.500	6.000	-.27338	-.00779	.26641	.00771	.90949	748.72000	798.63000	755.50000	805.86000	-4.81950
4.500	7.000	-.27470	-.00773	.26290	.00458	.90757	748.74000	798.65000	755.52000	805.88000	-4.82180
4.500	8.000	-.27854	-.00754	.25612	.00251	.90859	748.55000	798.45000	755.36000	805.72000	-4.82860
4.500	9.000	-.28264	-.00808	.24890	.00028	.90706	748.31000	798.20000	755.03000	805.36000	-4.84200
4.500	10.000	-.28620	-.00849	.24099	-.00123	.90889	748.33000	798.22000	755.16000	805.50000	-4.85380
	GRADIENT	.00084	.00055	-.00666	-.00240	.00008	-.03500	-.03764	-.04118	-.04345	.00424

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OF POOR QUALITY

AEDC VA422 1A61 DIETISI SRB DATA (O/ET SEPRING)

(STQ054) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 2.000 R-SRB = 2.000
 SRBPOS = 2.200 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 158/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.57587	-.04179	.56869	.06472	1.82050	1501.80000	1601.89999	1506.30000	1606.70000	-3.81180
4.500	-9.000	-.57384	-.03763	.57023	.06270	1.81890	1501.30000	1601.39999	1506.10001	1606.50000	-3.80540
4.500	-8.000	-.57396	-.03558	.56952	.05929	1.82160	1500.80000	1600.89999	1505.89999	1606.30000	-3.81060
4.500	-7.000	-.57243	-.03420	.56389	.05231	1.82200	1500.80000	1600.89999	1505.89999	1606.30000	-3.79950
4.500	-6.000	-.57043	-.03110	.56273	.04784	1.82210	1501.00000	1601.00000	1505.39999	1605.80000	-3.77910
4.500	-5.000	-.56367	-.02727	.56365	.04447	1.82060	1500.60001	1600.70000	1505.39999	1605.70000	-3.74700
4.500	-4.000	-.55404	-.02545	.55619	.04336	1.82220	1500.89999	1601.00000	1505.39999	1605.70000	-3.72310
4.500	-3.000	-.55069	-.02537	.55623	.04465	1.82010	1500.89999	1600.89999	1505.60001	1605.89999	-3.75140
4.500	-2.000	-.54327	-.02692	.55242	.04385	1.82270	1501.10001	1601.20000	1505.60001	1606.00000	-3.78240
4.500	-1.000	-.54036	-.03048	.54840	.03935	1.81850	1501.60001	1601.70000	1506.30000	1606.80000	-3.80080
4.500	.000	-.53355	-.03113	.54775	.03664	1.82030	1501.10001	1601.20000	1505.30000	1605.70000	-3.79730
4.500	1.000	-.52574	-.03157	.54756	.03431	1.82190	1500.70000	1600.70000	1504.80000	1605.10001	-3.79010
4.500	2.000	-.51739	-.02624	.55310	.03417	1.82160	1500.89999	1601.00000	1504.60001	1604.89999	-3.76080
4.500	3.000	-.50721	-.02025	.55873	.03590	1.82130	1500.70000	1600.70000	1504.50000	1604.80000	-3.72420
4.500	4.000	-.50270	-.01856	.55861	.03499	1.82010	1500.89999	1600.89999	1504.39999	1604.70000	-3.72080
4.500	5.000	-.49812	-.01633	.55659	.03361	1.81970	1500.70000	1600.80000	1504.30000	1604.60001	-3.71690
4.500	6.000	-.49327	-.01422	.55337	.03212	1.82330	1501.30000	1601.39999	1505.20000	1605.50000	-3.72030
4.500	7.000	-.48761	-.01239	.55028	.03123	1.81980	1501.00000	1601.00000	1504.39999	1604.70000	-3.72690
4.500	8.000	-.48028	-.01088	.54626	.03045	1.82340	1501.00000	1601.10001	1504.70000	1605.00000	-3.73580
4.500	9.000	-.47321	-.00906	.54382	.03033	1.82290	1501.89999	1602.00000	1505.20000	1605.50000	-3.74050
4.500	10.000	-.46672	-.00757	.54235	.03061	1.82360	1502.10001	1602.20000	1506.00000	1606.39999	-3.74590
	GRADIENT	.00664	.00089	-.00016	-.00126	-.00007	-.01273	-.01727	-.14818	-.15182	.00268

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)

(STQ055) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 2.000 R-SRB = 2.000
 SRBPOS = 2.200 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 167/ 0 RN/L = 1.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.57406	-.04157	.56637	.06465	1.86690	1496.30000	1596.00000	1500.30000	1600.30000	-3.80840
4.500	-9.000	-.57221	-.03762	.56844	.06275	1.86540	1495.89999	1595.60001	1499.89999	1599.89999	-3.80200
4.500	-8.000	-.57214	-.03545	.56775	.05847	1.86790	1495.70000	1595.39999	1499.60001	1599.60001	-3.80690
4.500	-7.000	-.57070	-.03402	.56229	.05230	1.87380	1495.89999	1595.60001	1499.89999	1599.89999	-3.79590
4.500	-6.000	-.56932	-.03092	.56142	.04800	1.87300	1497.80000	1597.60001	1501.50000	1601.60001	-3.77710
4.500	-5.000	-.56538	-.02822	.56309	.04515	1.86720	1498.20000	1598.10001	1501.70000	1601.80000	-3.76110
4.500	-4.000	-.55330	-.02555	.55531	.04319	1.86990	1498.30000	1598.20000	1501.80000	1601.89999	-3.72140
4.500	-3.000	-.54938	-.02565	.55485	.04459	1.86880	1497.70000	1597.50000	1501.50000	1601.60001	-3.74810
4.500	-2.000	-.54186	-.02674	.55063	.04382	1.86540	1497.30000	1597.10001	1501.00000	1601.10001	-3.78070
4.500	-1.000	-.53948	-.03023	.54641	.03934	1.86750	1497.20000	1597.00000	1500.89999	1600.89999	-3.79890
4.500	.000	-.53244	-.03110	.54585	.03641	1.86690	1497.10001	1596.89999	1500.70000	1600.70000	-3.79590
4.500	1.000	-.52472	-.03148	.54553	.03407	1.86720	1497.00000	1596.80000	1500.60001	1600.60001	-3.78990
4.500	2.000	-.51697	-.02677	.54996	.03344	1.86750	1496.70000	1596.50000	1500.30000	1600.30000	-3.76360
4.500	3.000	-.50561	-.01983	.55673	.03557	1.86620	1496.89999	1596.70000	1500.10001	1600.10001	-3.72140
4.500	4.000	-.50136	-.01815	.55692	.03494	1.87180	1497.80000	1597.60001	1501.10001	1601.10001	-3.71820
4.500	5.000	-.49710	-.01609	.55510	.03351	1.86980	1498.20000	1598.10001	1501.20000	1601.30000	-3.71620
4.500	6.000	-.49232	-.01395	.55236	.03215	1.86850	1498.39999	1598.30000	1501.60001	1601.70000	-3.71820
4.500	7.000	-.48656	-.01215	.54881	.03123	1.86900	1498.39999	1598.30000	1502.00000	1602.10001	-3.72470
4.500	8.000	-.47961	-.01059	.54463	.03026	1.86490	1498.10001	1598.00000	1501.39999	1601.50000	-3.73460
4.500	9.000	-.47284	-.00905	.54250	.03011	1.86930	1498.00000	1597.89999	1501.39999	1601.50000	-3.74060
4.500	10.000	-.46524	-.00745	.54019	.03044	1.86780	1498.00000	1597.80000	1501.50000	1601.60001	-3.74490
	GRADIENT	.00677	.00097	-.00027	-.00131	.00015	-.05273	-.05636	-.10192	-.11000	.00328

AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTNG)

(STQ056) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 2.000 R-SRB = 2.000
 SRBPOS = 2.200 PT-JET = 1500.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 157/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DBET-R
4.500	-10.000	-.52664	-.03640	.60076	.06168	1.82930	1499.20000	1599.10001	1502.20000	1602.30000	-5.10860
4.500	-9.000	-.53667	-.03813	.59375	.05606	1.82290	1499.20000	1599.10001	1503.00000	1603.20000	-5.11160
4.500	-8.000	-.54077	-.03860	.58825	.05252	1.82560	1499.20000	1599.20000	1503.10001	1603.30000	-5.11310
4.500	-7.000	-.54092	-.03778	.58414	.05055	1.82620	1499.10001	1599.00000	1503.39999	1603.60001	-5.11390
4.500	-6.000	-.54178	-.03676	.58128	.04926	1.82650	1499.10001	1599.00000	1503.80000	1604.00000	-5.11480
4.500	-5.000	-.54262	-.03587	.57794	.04617	1.82520	1499.20000	1599.20000	1504.10001	1604.39999	-5.10970
4.500	-4.000	-.53945	-.03129	.57394	.04047	1.82490	1499.30000	1599.20000	1504.20000	1604.39999	-5.10220
4.500	-3.000	-.53556	-.03007	.57073	.03861	1.82820	1500.10001	1600.10001	1505.30000	1605.60001	-5.10590
4.500	-2.000	-.53422	-.03078	.56382	.03895	1.82620	1500.50000	1600.50000	1505.30000	1605.70000	-5.10230
4.500	-1.000	-.53556	-.03082	.55427	.03920	1.82590	1500.80000	1600.89999	1505.89999	1606.30000	-5.09470
4.500	-.000	-.53604	-.03142	.54606	.03753	1.82420	1499.80000	1599.80000	1505.30000	1605.70000	-5.09610
4.500	1.000	-.53637	-.03154	.53740	.03591	1.82490	1499.80000	1599.80000	1504.30000	1604.60001	-5.09740
4.500	2.000	-.53230	-.02960	.54303	.03982	1.82500	1499.60001	1599.60001	1504.20000	1604.50000	-5.13770
4.500	3.000	-.52737	-.02839	.53955	.04020	1.82410	1499.20000	1599.20000	1504.00000	1604.30000	-5.14470
4.500	4.000	-.51520	-.02308	.52950	.03510	1.82700	1499.20000	1599.20000	1503.89999	1604.20000	-5.12740
4.500	5.000	-.50037	-.01635	.51921	.02876	1.82230	1498.89999	1598.80000	1503.60001	1603.89999	-5.10720
4.500	6.000	-.49699	-.01532	.51181	.02612	1.82650	1499.30000	1599.20000	1503.89999	1604.10001	-5.10590
4.500	7.000	-.50101	-.01642	.50193	.02245	1.82570	1498.89999	1598.89999	1503.60001	1603.89999	-5.09880
4.500	8.000	-.50810	-.02165	.48955	.01760	1.82630	1498.89999	1598.89999	1503.60001	1603.80000	-5.09390
4.500	9.000	-.51052	-.02147	.47931	.01464	1.82270	1499.39999	1599.39999	1503.30000	1603.60001	-5.09970
4.500	10.000	-.51575	-.02260	.49115	.02096	1.82360	1499.10001	1599.00000	1503.30000	1603.50000	-5.12260
	GRADIENT	.00302	.00125	-.00567	-.00096	-.00020	-.06727	-.06909	-.10363	-.10272	-.00253

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTNG)

(STQ057) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = .000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 176/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.15696	-.00275	.08202	.00582	.00000	.00000	.00000	.00000	.00000	-8.08870
4.500	-9.000	-.14553	-.00246	.08105	.00529	.00000	.00000	.00000	.00000	.00000	-8.07590
4.500	-8.000	-.13433	-.00239	.08004	.00478	.00000	.00000	.00000	.00000	.00000	-8.06480
4.500	-7.000	-.12262	-.00273	.07844	.00452	.00000	.00000	.00000	.00000	.00000	-8.05480
4.500	-6.000	-.11096	-.00330	.07653	.00453	.00000	.00000	.00000	.00000	.00000	-8.04400
4.500	-5.000	-.09991	-.00398	.07453	.00463	.00000	.00000	.00000	.00000	.00000	-8.03320
4.500	-4.000	-.08999	-.00426	.07271	.00459	.00000	.00000	.00000	.00000	.00000	-8.02140
4.500	-3.000	-.08136	-.00402	.07199	.00428	.00000	.00000	.00000	.00000	.00000	-8.00920
4.500	-2.000	-.07313	-.00369	.07120	.00372	.00000	.00000	.00000	.00000	.00000	-7.99670
4.500	-1.000	-.06513	-.00318	.07055	.00302	.00000	.00000	.00000	.00000	.00000	-7.98410
4.500	-.000	-.05725	-.00255	.07054	.00227	.00000	.00000	.00000	.00000	.00000	-7.97060
4.500	1.000	-.04988	-.00196	.07070	.00150	.00000	.00000	.00000	.00000	.00000	-7.95700
4.500	2.000	-.04334	-.00113	.07057	.00080	.00000	.00000	.00000	.00000	.00000	-7.94470
4.500	3.000	-.03678	-.00033	.07066	.00008	.00000	.00000	.00000	.00000	.00000	-7.93180
4.500	4.000	-.03104	.00054	.07030	-.00060	.00000	.00000	.00000	.00000	.00000	-7.91860
4.500	5.000	-.02616	.00144	.06991	-.00127	.00000	.00000	.00000	.00000	.00000	-7.90740
4.500	6.000	-.02101	.00234	.06959	-.00182	.00000	.00000	.00000	.00000	.00000	-7.89610
4.500	7.000	-.01651	.00318	.06939	-.00239	.00000	.00000	.00000	.00000	.00000	-7.88350
4.500	8.000	-.01071	.00412	.06837	-.00245	.00000	.00000	.00000	.00000	.00000	-7.86920
4.500	9.000	-.00435	.00479	.06723	-.00238	.00000	.00000	.00000	.00000	.00000	-7.85600
4.500	10.000	.00224	.00528	.06552	-.00182	.00000	.00000	.00000	.00000	.00000	-7.84400
4.500	GRADIENT	.00739	.00058	-.00034	-.00064	.00000	.00000	.00000	.00000	.00000	-.01276

ORIGINAL PAGE IS
OF POOR QUALITY

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(STQ058) (23 OCT 75)

PARAMETRIC DATA

L-SRB	=	3.000	R-SRB	=	3.000
SRBPOS	=	3.300	PT-JET	=	.000
RN/L	=	1.760	ALPHA	=	.000
TO-JET	=	100.000	X	=	402.200
Y	=	546.500	Z	=	703.000

RUN NO. 177/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DBET-R
4.500	-10.000	-.06348	-.00561	.16440	.00721	.00000	.00000	.00000	.00000	.00000	-10.54300
4.500	-9.000	-.06341	-.00511	.15380	.00648	.00000	.00000	.00000	.00000	.00000	-10.54500
4.500	-8.000	-.06313	-.00472	.14370	.00590	.00000	.00000	.00000	.00000	.00000	-10.54900
4.500	-7.000	-.06265	-.00449	.13381	.00544	.00000	.00000	.00000	.00000	.00000	-10.55300
4.500	-6.000	-.06237	-.00416	.12377	.00509	.00000	.00000	.00000	.00000	.00000	-10.55700
4.500	-5.000	-.06219	-.00382	.11371	.00494	.00000	.00000	.00000	.00000	.00000	-10.56300
4.500	-4.000	-.06170	-.00353	.10356	.00484	.00000	.00000	.00000	.00000	.00000	-10.56700
4.500	-3.000	-.06074	-.00346	.09411	.00457	.00000	.00000	.00000	.00000	.00000	-10.56900
4.500	-2.000	-.05960	-.00325	.08583	.00415	.00000	.00000	.00000	.00000	.00000	-10.57400
4.500	-1.000	-.05944	-.00265	.07831	.00342	.00000	.00000	.00000	.00000	.00000	-10.57900
4.500	.000	-.05942	-.00198	.07095	.00257	.00000	.00000	.00000	.00000	.00000	-10.58400
4.500	1.000	-.05927	-.00122	.06415	.00175	.00000	.00000	.00000	.00000	.00000	-10.58900
4.500	2.000	-.05878	-.00060	.05816	.00093	.00000	.00000	.00000	.00000	.00000	-10.59500
4.500	3.000	-.05877	.00008	.05129	.00030	.00000	.00000	.00000	.00000	.00000	-10.50100
4.500	4.000	-.05853	.00072	.04471	-.00053	.00000	.00000	.00000	.00000	.00000	-10.60700
4.500	5.000	-.05852	.00124	.03869	-.00140	.00000	.00000	.00000	.00000	.00000	-10.61300
4.500	6.000	-.05841	.00176	.03219	-.00217	.00000	.00000	.00000	.00000	.00000	-10.62000
4.500	7.000	-.05821	.00224	.02595	-.00295	.00000	.00000	.00000	.00000	.00000	-10.62600
4.500	8.000	-.05655	.00197	.02097	-.00406	.00000	.00000	.00000	.00000	.00000	-10.63200
4.500	9.000	-.05466	.00139	.01604	-.00502	.00000	.00000	.00000	.00000	.00000	-10.63900
4.500	10.000	-.05254	.00055	.00942	-.00521	.00000	.00000	.00000	.00000	.00000	-10.64700
	GRADIENT	.00035	.00054	-.00735	-.00067	.00000	.00000	.00000	.00000	.00000	-.00507

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTNG)

(STQ059) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 340.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 187/ 0 RN/L = 1.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.61658	-.01693	.58301	.03209	1.87390	1494.00000	1593.60001	1498.70000	1598.60001	-8.63300
4.500	-9.000	-.60146	-.02160	.57753	.03296	1.87360	1493.70000	1593.30000	1498.20000	1598.00000	-8.63010
4.500	-8.000	-.58757	-.02641	.57033	.03486	1.88740	1495.39999	1595.10001	1499.39999	1599.39999	-8.63010
4.500	-7.000	-.57612	-.03006	.56599	.03513	1.88410	1497.20000	1597.00000	1501.50000	1601.60001	-8.61780
4.500	-6.000	-.56805	-.03256	.55967	.03540	1.88020	1497.70000	1597.60001	1502.20000	1602.39999	-8.61580
4.500	-5.000	-.56306	-.03382	.55015	.03437	1.87980	1498.00000	1597.89999	1502.50000	1602.60001	-8.61140
4.500	-4.000	-.55720	-.03442	.54398	.03409	1.87960	1497.89999	1597.80000	1502.10001	1602.30000	-8.60340
4.500	-3.000	-.55253	-.03417	.53914	.03364	1.88040	1498.89999	1598.80000	1502.70000	1602.89999	-8.59280
4.500	-2.000	-.54790	-.03331	.53609	.03295	1.88010	1499.30000	1599.20000	1503.00000	1603.20000	-8.57940
4.500	-1.000	-.54099	-.03308	.53650	.03026	1.88080	1498.50000	1598.39999	1502.20000	1602.39999	-8.56650
4.500	.000	-.53107	-.03468	.54435	.02393	1.87820	1498.30000	1598.20000	1502.00000	1602.10001	-8.55500
4.500	1.000	-.51923	-.03295	.55378	.01797	1.87930	1498.20000	1598.10001	1501.60001	1601.80000	-8.53050
4.500	2.000	-.51095	-.02975	.55746	.01594	1.87840	1497.89999	1597.80000	1501.70000	1601.80000	-8.50600
4.500	3.000	-.50863	-.02821	.55567	.01469	1.87560	1497.39999	1597.20000	1501.50000	1601.60001	-8.49370
4.500	4.000	-.50999	-.02731	.55202	.01322	1.87900	1497.10001	1597.00000	1501.30000	1601.39999	-8.48260
4.500	5.000	-.50884	-.02472	.54888	.01357	1.87800	1497.20000	1597.00000	1500.89999	1601.00000	-8.46290
4.500	6.000	-.50223	-.01983	.54908	.01589	1.87990	1497.39999	1597.20000	1501.30000	1601.39999	-8.42090
4.500	7.000	-.49861	-.01656	.54609	.01743	1.87830	1497.20000	1597.00000	1500.89999	1601.00000	-8.36810
4.500	8.000	-.49483	-.01336	.54355	.01900	1.87680	1497.10001	1596.89999	1500.60001	1600.70000	-8.31650
4.500	9.000	-.49100	-.01025	.54083	.02006	1.87980	1496.89999	1596.70000	1500.70000	1600.70000	-8.27280
4.500	10.000	-.48677	-.00747	.53800	.02086	1.87900	1496.70000	1596.50000	1500.50000	1600.60001	-8.23670
	GRADIENT	.00625	.00090	.00123	-.00264	-.00028	-.13455	-.14182	-.16364	-.17182	.01551

AEDC VA422 1A61 01ET151 SRB DATA (O/ET SEPRING)

(STQ060) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 750.000
 RN/L = .690 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 186/ 0 RN/L = .72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.470	-10.000	-.72662	-.02112	.68908	.03973	.91245	748.49000	798.39000	755.42000	805.79000	-8.39620
4.470	-9.000	-.71188	-.02453	.68619	.03881	.91226	748.43000	798.32000	755.48000	805.84000	-8.38460
4.470	-8.000	-.69687	-.02802	.68212	.03791	.90993	748.44000	798.34000	755.29000	805.64000	-8.37390
4.470	-7.000	-.68472	-.03138	.68179	.03612	.90900	748.47000	798.37000	755.23000	805.57000	-8.36310
4.470	-6.000	-.67513	-.03440	.68424	.03343	.91150	748.39000	798.28000	755.19000	805.53000	-8.35110
4.470	-5.000	-.66765	-.03730	.68565	.03180	.91194	748.42000	798.31000	755.27000	805.62000	-8.33980
4.470	-4.000	-.66286	-.03705	.68526	.03056	.91096	748.14000	798.01000	755.04000	805.38000	-8.32450
4.470	-3.000	-.65953	-.03635	.68503	.02887	.91197	748.29000	798.17000	755.03000	805.36000	-8.30890
4.470	-2.000	-.65645	-.03578	.68610	.02558	.91226	748.23000	798.11000	755.00000	805.33000	-8.29070
4.470	-1.000	-.65273	-.03518	.68853	.02088	.91156	748.47000	798.37000	755.22000	805.57000	-8.27470
4.470	.000	-.64904	-.03392	.68144	.01546	.91343	748.59000	798.49000	755.22000	805.57000	-8.25510
4.470	1.000	-.64346	-.03311	.67666	.01485	.91109	748.45000	798.35000	755.17000	805.51000	-8.23330
4.470	2.000	-.64168	-.03076	.67399	.01460	.91297	748.32000	798.21000	754.90000	805.22000	-8.19860
4.470	3.000	-.64082	-.02795	.67139	.01451	.91270	748.23000	798.11000	755.04000	805.39000	-8.17230
4.470	4.000	-.63940	-.02590	.66828	.01504	.91340	748.44000	798.33000	755.11000	805.46000	-8.15400
4.470	5.000	-.62906	-.02080	.66597	.01548	.91122	748.51000	798.42000	755.24000	805.59000	-8.12960
4.470	6.000	-.62672	-.01898	.65986	.01695	.91263	748.36000	798.25000	755.24000	805.59000	-8.11060
4.470	7.000	-.62535	-.01734	.65278	.01838	.91266	748.22000	798.10000	754.94000	805.26000	-8.08990
4.470	8.000	-.62594	-.01268	.65474	.02230	.91345	748.10000	797.97000	754.94000	805.27000	-8.05900
4.470	9.000	-.62118	-.01027	.65199	.02357	.91385	748.15000	798.02000	754.96000	805.29000	-8.03000
4.470	10.000	-.61552	-.00827	.64961	.02468	.91365	748.08000	797.95000	755.10000	805.44000	-8.00260
	GRADIENT	.00347	.00150	-.00221	-.00195	.00008	.01482	.01664	-.00082	-.00046	.02153

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422-1A61 OIET1S1 SRB DATA (O/ET SEPRING)

(STQ061) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT.. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 340.000
 RN/L = 1.020 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 1857 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.34870	-.01149	.27285	.01611	.38485	341.20000	363.94000	343.39000	366.28000	-8.24910
4.500	-9.000	-.33045	-.01640	.26001	.01803	.38453	340.37000	363.06000	342.51000	365.35000	-8.23630
4.500	-8.000	-.31694	-.01937	.25387	.01732	.38396	340.21000	362.89000	342.04000	364.85000	-8.22700
4.500	-7.000	-.30262	-.02019	.25233	.01721	.38443	339.60000	362.24000	341.45000	364.21000	-8.21310
4.500	-6.000	-.28292	-.01811	.25410	.01945	.39095	339.25000	361.87000	341.23000	363.98000	-8.19060
4.500	-5.000	-.27190	-.01726	.25383	.02047	.39204	340.08000	362.75000	341.94000	364.73000	-8.17420
4.500	-4.000	-.26340	-.01650	.25261	.02098	.39238	340.45000	363.15000	342.38000	365.21000	-8.15910
4.500	-3.000	-.25604	-.01590	.25107	.02111	.39213	340.86000	363.58000	342.78000	365.63000	-8.14490
4.500	-2.000	-.24936	-.01487	.25001	.02110	.39202	341.32000	364.07000	343.20000	366.08000	-8.13020
4.500	-1.000	-.24359	-.01374	.24926	.02083	.39288	341.48000	364.25000	343.44000	366.33000	-8.11540
4.500	-.000	-.23828	-.01243	.24836	.02037	.39243	341.64000	364.41000	343.53000	366.43000	-8.10070
4.500	1.000	-.23364	-.01101	.24813	.01972	.39253	342.02000	364.82000	343.87000	366.79000	-8.08590
4.500	2.000	-.22938	-.00954	.24775	.01906	.39290	342.08000	364.89000	344.06000	367.00000	-8.07120
4.500	3.000	-.22535	-.00813	.24742	.01843	.39240	342.41000	365.24000	344.22000	367.17000	-8.05650
4.500	4.000	-.22137	-.00686	.24704	.01801	.39250	342.58000	365.42000	344.38000	367.34000	-8.04170
4.500	5.000	-.21695	-.00567	.24685	.01756	.39239	342.67000	365.51000	344.51000	367.48000	-8.02690
4.500	6.000	-.21212	-.00455	.24628	.01708	.39336	342.61000	365.45000	344.55000	367.52000	-8.01130
4.500	7.000	-.20658	-.00347	.24588	.01674	.38729	342.74000	365.59000	344.68000	367.66000	-7.99650
4.500	8.000	-.20134	-.00248	.24362	.01610	.38217	341.68000	364.46000	343.61000	366.52000	-7.98230
4.500	9.000	-.19776	-.00259	.23947	.01447	.38196	340.73000	363.45000	342.61000	365.45000	-7.97150
4.500	10.000	-.19218	-.00109	.23865	.01499	.38151	339.69000	362.34000	341.55000	364.32000	-7.95670
	GRADIENT	.00532	.00121	-.00067	-.00036	.00004	.25618	.27336	.24836	.26536	.01472

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OF POOR QUALITY

AEDC VA422 1A61 01ET151 SRB DATA (O/ET SEPRING)

(STQ062) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBP0S = 3.300 PT-JET = 750.000
 RN/L = 1.020 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 183/ 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.55620	-.01394	.51859	.02776	.90187	746.99000	796.79000	754.05000	804.31000	-8.39020
4.500	-9.000	-.53813	-.01918	.51462	.03017	.90348	746.47000	796.24000	752.95000	803.15000	-8.37470
4.500	-8.000	-.52281	-.02378	.50649	.03293	.90571	745.66000	795.37000	752.54000	802.71000	-8.36110
4.500	-7.000	-.51445	-.02544	.49977	.03511	.91548	746.66000	796.43000	753.18000	803.39000	-8.35150
4.500	-6.000	-.50579	-.02716	.49429	.03653	.91530	747.45000	797.28000	754.02000	804.29000	-8.34190
4.500	-5.000	-.49692	-.02881	.49141	.03652	.91359	748.22000	798.10000	754.77000	805.09000	-8.33140
4.500	-4.000	-.48645	-.02772	.49224	.03524	.91487	749.18000	799.13000	755.59000	805.96000	-8.31440
4.500	-3.000	-.47739	-.02512	.49185	.03443	.91515	749.55000	799.52000	756.19000	806.60000	-8.29510
4.500	-2.000	-.47197	-.02567	.48724	.03469	.91333	750.27000	800.29000	756.50000	806.93000	-8.28330
4.500	-1.000	-.46803	-.02619	.48224	.03403	.91458	750.08000	800.08000	756.54000	806.97000	-8.27250
4.500	-.000	-.46325	-.02739	.48342	.03000	.91493	750.38000	800.41000	756.92000	807.39000	-8.26250
4.500	1.000	-.45588	-.03034	.49075	.02298	.91530	751.07000	801.14000	757.56000	808.07000	-8.25390
4.500	2.000	-.45061	-.03165	.49658	.01690	.91430	751.26000	801.35000	757.79000	808.31000	-8.24270
4.500	3.000	-.44594	-.02865	.49631	.01176	.91491	751.12000	801.20000	757.83000	808.35000	-8.22420
4.500	4.000	-.42948	-.02343	.50731	.01557	.91696	751.38000	801.47000	757.84000	808.36000	-8.19460
4.500	5.000	-.42861	-.02039	.50408	.01443	.91517	751.60000	801.71000	758.24000	808.79000	-8.17770
4.500	6.000	-.43330	-.01684	.49355	.01441	.91366	751.69000	801.80000	758.30000	808.85000	-8.16110
4.500	7.000	-.43169	-.01396	.48769	.01542	.90335	750.76000	800.81000	757.56000	808.06000	-8.14020
4.500	8.000	-.42742	-.01143	.48471	.01558	.90434	749.71000	799.69000	756.38000	806.81000	-8.11010
4.500	9.000	-.42324	-.00879	.48115	.01660	.90399	748.78000	798.70000	755.57000	805.94000	-8.07480
4.500	10.000	-.41831	-.00623	.47662	.01790	.90335	748.01000	797.88000	754.81000	805.13000	-8.04400
	GRADIENT	.00653	.00030	.00149	-.00276	.00017	.30345	.32391	.31700	.33827	.01418

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)

(STQ063) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 750.000
 RN/L = 1.020 ALPHA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 184/ 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DBET-R
4.500	-10.000	-.50262	-.02828	.56542	.01686	.91017	747.28000	797.09000	753.55000	803.79000	-10.74700
4.500	-9.000	-.49943	-.02802	.55925	.01603	.90801	747.00000	796.80000	753.66000	803.91000	-10.75000
4.500	-8.000	-.49673	-.02793	.55442	.01530	.90761	747.11000	796.92000	753.67000	803.92000	-10.75300
4.500	-7.000	-.49156	-.02898	.54782	.01458	.90663	747.11000	796.92000	753.88000	804.14000	-10.75600
4.500	-6.000	-.48837	-.03107	.53989	.01351	.90723	747.03000	796.83000	753.90000	804.16000	-10.75900
4.500	-5.000	-.48226	-.03128	.53097	.01381	.90771	746.90000	796.70000	753.94000	804.21000	-10.76300
4.500	-4.000	-.48231	-.03162	.52205	.01273	.90840	746.86000	796.65000	754.12000	804.39000	-10.76500
4.500	-3.000	-.47620	-.03344	.51515	.01233	.90744	746.88000	796.67000	754.30000	804.59000	-10.77000
4.500	-2.000	-.46725	-.03469	.50954	.01245	.90765	746.74000	796.52000	754.23000	804.52000	-10.77500
4.500	-1.000	-.45942	-.03430	.50141	.01532	.90740	746.98000	796.78000	754.33000	804.62000	-10.78500
4.500	.000	-.46508	-.02640	.47961	.03214	.90645	746.79000	796.57000	754.15000	804.42000	-10.81200
4.500	1.000	-.46044	-.02537	.47312	.03366	.90870	746.72000	796.50000	754.30000	804.59000	-10.81900
4.500	2.000	-.45727	-.02360	.46761	.03323	.90773	746.76000	796.54000	754.47000	804.77000	-10.82400
4.500	3.000	-.45541	-.02200	.46378	.03118	.90642	746.76000	796.55000	754.62000	804.93000	-10.82700
4.500	4.000	-.45402	-.02084	.45865	.02883	.90738	746.68000	796.46000	754.39000	804.68000	-10.83000
4.500	5.000	-.45617	-.01970	.45116	.02621	.90869	746.76000	796.54000	754.10000	804.37000	-10.83000
4.500	6.000	-.46849	-.02672	.42938	.01644	.90773	746.90000	796.69000	754.11000	804.39000	-10.81100
4.500	7.000	-.47177	-.02704	.42118	.01362	.90660	746.99000	796.79000	754.08000	804.35000	-10.81000
4.500	8.000	-.47045	-.02549	.41758	.01203	.90690	746.63000	796.40000	753.77000	804.02000	-10.81200
4.500	9.000	-.46656	-.02317	.41811	.01136	.90698	746.85000	796.64000	754.02000	804.28000	-10.81800
4.500	10.000	-.46031	-.02099	.41757	.01182	.90849	747.13000	796.94000	754.12000	804.40000	-10.82400
	GRADIENT	.00295	.00151	-.00835	.00221	-.00001	-.01818	-.01964	.02991	.03136	-.00816

AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)

(STQ064) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 1500.000
 RN/L = 1.020 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 182/ 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.94631	-.03145	.90478	.05418	1.86370	1499.10001	1599.10001	1503.60001	1603.80000	-8.66700
4.500	-9.000	-.92777	-.03624	.90789	.04977	1.86430	1498.50000	1598.39999	1502.60001	1602.70000	-8.65550
4.500	-8.000	-.91627	-.03839	.90838	.04782	1.86450	1498.10001	1597.89999	1502.30000	1602.50000	-8.64090
4.500	-7.000	-.90786	-.04005	.90999	.04580	1.86600	1499.00000	1599.00000	1503.00000	1603.20000	-8.62550
4.500	-6.000	-.90114	-.04115	.91277	.04303	1.86750	1499.30000	1599.20000	1503.30000	1603.50000	-8.60600
4.500	-5.000	-.89706	-.04224	.91198	.04409	1.86310	1499.30000	1599.30000	1503.10001	1603.30000	-8.58270
4.500	-4.000	-.89118	-.04225	.91379	.04129	1.86390	1498.39999	1598.30000	1502.70000	1602.89999	-8.55270
4.500	-3.000	-.88510	-.04277	.91990	.03703	1.86570	1498.60001	1598.50000	1502.39999	1602.60001	-8.52140
4.500	-2.000	-.87927	-.04311	.92648	.03259	1.86390	1498.89999	1598.80000	1502.89999	1603.10001	-8.49690
4.500	-1.000	-.87591	-.04287	.93150	.02945	1.86530	1499.30000	1599.30000	1503.20000	1603.39999	-8.48070
4.500	.000	-.87350	-.04160	.93446	.02623	1.86420	1499.50000	1599.50000	1503.20000	1603.39999	-8.46360
4.500	1.000	-.87223	-.03959	.93498	.02379	1.86310	1498.89999	1598.80000	1502.50000	1602.70000	-8.44230
4.500	2.000	-.87145	-.03746	.93460	.02193	1.86330	1498.60001	1598.50000	1502.20000	1602.30000	-8.42050
4.500	3.000	-.86900	-.03658	.93335	.02021	1.86410	1499.00000	1598.89999	1502.80000	1603.00000	-8.40360
4.500	4.000	-.86673	-.03458	.93140	.01937	1.86260	1498.50000	1598.39999	1502.20000	1602.30000	-8.38410
4.500	5.000	-.86526	-.03192	.92574	.01943	1.86480	1498.20000	1598.10001	1502.00000	1602.10001	-8.36220
4.500	6.000	-.86363	-.02938	.91853	.02048	1.86120	1498.70000	1598.60001	1502.39999	1602.60001	-8.33720
4.500	7.000	-.86131	-.02671	.90925	.02176	1.86230	1498.20000	1598.10001	1501.89999	1602.00000	-8.30560
4.500	8.000	-.85068	-.02421	.90042	.02237	1.86390	1498.30000	1598.20000	1502.00000	1602.10001	-8.27510
4.500	9.000	-.85567	-.01777	.89582	.02616	1.86670	1499.00000	1599.00000	1502.80000	1603.00000	-8.23820
4.500	10.000	-.85102	-.01597	.87760	.02746	1.86520	1499.50000	1599.39999	1503.00000	1603.20000	-8.20600
	GRADIENT	.00295	.00105	.00181	-.00262	-.00004	-.04454	-.05000	-.07636	-.08636	.02110

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRING)

(STQ065) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 750.000
 RN/L = 1.400 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 181/ 0 RN/L = 1.42 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.43565	-.01957	.40325	.01917	.92036	750.93000	800.99000	757.77000	808.29000	-8.38860
4.500	-9.000	-.42318	-.02166	.38984	.02232	.92040	751.39000	801.49000	758.06000	808.60000	-8.37160
4.500	-8.000	-.41689	-.02300	.37936	.02328	.92069	751.48000	801.58000	758.29000	808.84000	-8.36600
4.500	-7.000	-.41300	-.02464	.36979	.02310	.92005	751.78000	801.89000	758.45000	809.01000	-8.36310
4.500	-6.000	-.40366	-.02481	.37159	.02606	.92102	752.00000	802.14000	758.72000	809.30000	-8.35250
4.500	-5.000	-.39507	-.02601	.37101	.02741	.92016	752.12000	802.27000	758.76000	809.34000	-8.34350
4.500	-4.000	-.38614	-.02612	.36893	.02706	.92104	752.26000	802.42000	758.74000	809.32000	-8.33070
4.500	-3.000	-.37843	-.02565	.36740	.02684	.92078	752.41000	802.57000	758.93000	809.53000	-8.31690
4.500	-2.000	-.36996	-.02451	.36751	.02686	.92039	752.56000	802.73000	759.06000	809.66000	-8.30020
4.500	-1.000	-.35632	-.02048	.36851	.02863	.92106	752.79000	802.97000	759.23000	809.85000	-8.27260
4.500	-.000	-.34309	-.01517	.36915	.03059	.91917	752.80000	802.98000	759.33000	809.95000	-8.24160
4.500	1.000	-.33604	-.01365	.36910	.02969	.91749	752.86000	803.05000	759.15000	809.76000	-8.22500
4.500	2.000	-.33070	-.01237	.36867	.02839	.91610	752.54000	802.71000	759.04000	809.65000	-8.21010
4.500	3.000	-.32560	-.01119	.36920	.02645	.91521	752.09000	802.23000	758.48000	809.05000	-8.19540
4.500	4.000	-.32077	-.01052	.37094	.02367	.91436	751.40000	801.49000	757.96000	808.49000	-8.18160
4.500	5.000	-.31572	-.01027	.37299	.02084	.91424	751.13000	801.21000	757.77000	808.28000	-8.16890
4.500	6.000	-.31439	-.01112	.37398	.01740	.91495	750.76000	800.81000	757.37000	807.86000	-8.16150
4.500	7.000	-.30938	-.01013	.37680	.01459	.91310	750.50000	800.54000	756.86000	807.31000	-8.14730
4.500	8.000	-.30528	-.00768	.37861	.01311	.91447	750.36000	800.39000	756.96000	807.42000	-8.13040
4.500	9.000	-.30088	-.00547	.37864	.01256	.91284	750.11000	800.11000	756.73000	807.17000	-8.11570
4.500	10.000	-.29616	-.00341	.37686	.01309	.91448	749.88000	799.87000	756.34000	806.76000	-8.10030
	GRADIENT	.00832	.00196	.00024	-.00039	-.00077	-.08473	-.09091	-.08673	-.09246	.01874

AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)

(STQ066) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 1500.000
 RN/L = 1.400 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 179/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.73039	-.02129	.69670	.03804	1.86940	1500.80000	1500.80000	1504.70000	1605.10001	-8.64660
4.500	-9.000	-.71453	-.02477	.69488	.03603	1.86980	1499.39999	1599.30000	1503.39999	1603.70000	-8.63390
4.500	-8.000	-.70090	-.02694	.68892	.03649	1.86900	1498.89999	1598.89999	1502.70000	1602.89999	-8.62260
4.500	-7.000	-.68730	-.03146	.68753	.03547	1.87260	1499.30000	1599.30000	1503.10001	1603.30000	-8.62180
4.500	-6.000	-.67762	-.03372	.68801	.03346	1.87140	1499.30000	1599.20000	1503.00000	1603.20000	-8.61570
4.500	-5.000	-.67101	-.03476	.68941	.03118	1.87180	1498.10001	1598.00000	1502.30000	1602.39999	-8.60680
4.500	-4.000	-.66538	-.03657	.69041	.02951	1.86830	1497.80000	1597.60001	1501.60001	1601.70000	-8.59690
4.500	-3.000	-.66087	-.03702	.69047	.02817	1.87090	1497.60001	1597.50000	1501.50000	1601.60001	-8.58210
4.500	-2.000	-.65829	-.03602	.69185	.02565	1.87020	1497.50000	1597.30000	1501.20000	1601.30000	-8.56450
4.500	-1.000	-.65497	-.03516	.69214	.02148	1.87240	1498.50000	1598.39999	1501.80000	1601.89999	-8.54890
4.500	-.000	-.64959	-.03537	.69200	.01896	1.87420	1498.60001	1598.50000	1502.30000	1602.39999	-8.53440
4.500	1.000	-.64580	-.03454	.68592	.01622	1.87210	1498.80000	1598.70000	1502.50000	1602.70000	-8.51390
4.500	2.000	-.64240	-.03273	.67449	.01528	1.86970	1497.89999	1597.80000	1501.70000	1601.80000	-8.48080
4.500	3.000	-.64041	-.03002	.66860	.01633	1.87200	1497.60001	1597.50000	1501.39999	1601.50000	-8.43590
4.500	4.000	-.63941	-.02683	.66323	.01723	1.87230	1497.39999	1597.20000	1501.30000	1601.39999	-8.38850
4.500	5.000	-.63919	-.02401	.65945	.01745	1.87180	1497.20000	1597.00000	1501.20000	1601.30000	-8.36490
4.500	6.000	-.63604	-.02053	.65431	.01811	1.87070	1497.00000	1596.89999	1500.89999	1601.00000	-8.34480
4.500	7.000	-.63562	-.01891	.64813	.01925	1.87080	1497.10001	1596.89999	1500.89999	1600.89999	-8.32270
4.500	8.000	-.62713	-.01361	.65032	.02123	1.87160	1496.89999	1596.70000	1500.89999	1601.00000	-8.27690
4.500	9.000	-.62092	-.01138	.64724	.02271	1.87410	1496.89999	1596.70000	1500.70000	1600.80000	-8.23350
4.500	10.000	-.61559	-.00954	.64484	.02403	1.87290	1496.89999	1596.70000	1500.89999	1600.89999	-8.19450
	GRADIENT	.00332	.00110	-.00332	-.00163	.00016	-.04546	-.04818	-.04818	-.04727	.02440

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

PAGE 67

AEDC VA422 1A61 01ETIS1 SRB DATA (O/ET SEPRING)

(STQ067) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 1500.000
 RN/L = 1.400 ALPHA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 180/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DBET-R
4.500	-10.000	-.69364	-.03707	.75429	.02811	1.87360	1499.30000	1599.30000	1502.10001	1602.20000	-11.04300
4.500	-9.000	-.69292	-.03480	.74785	.02679	1.87270	1499.30000	1599.30000	1502.20000	1602.30000	-11.04200
4.500	-8.000	-.68934	-.03399	.74374	.02473	1.87260	1499.39999	1599.39999	1502.20000	1602.30000	-11.04200
4.500	-7.000	-.68454	-.03354	.74006	.02233	1.87590	1500.20000	1600.20000	1503.10001	1603.30000	-11.04100
4.500	-6.000	-.68067	-.03324	.73740	.01973	1.87350	1500.39999	1600.39999	1503.80000	1604.10001	-11.03800
4.500	-5.000	-.67533	-.03363	.73308	.01788	1.87430	1500.89999	1601.00000	1504.10001	1604.30000	-11.03800
4.500	-4.000	-.66917	-.03406	.72653	.01574	1.87340	1500.60001	1600.60001	1504.30000	1604.60001	-11.02800
4.500	-3.000	-.66532	-.03424	.71929	.01534	1.87530	1500.80000	1600.89999	1504.50000	1604.80000	-11.03100
4.500	-2.000	-.66254	-.03435	.71091	.01659	1.87180	1500.80000	1600.89999	1504.80000	1605.20000	-11.03500
4.500	-1.000	-.65813	-.03501	.70189	.01813	1.87080	1500.00000	1600.00000	1503.80000	1604.10001	-11.04100
4.500	.000	-.65253	-.03564	.69192	.02023	1.87320	1500.00000	1600.00000	1503.89999	1604.20000	-11.04700
4.500	1.000	-.64934	-.03596	.67617	.01848	1.87160	1500.30000	1600.30000	1505.30000	1605.70000	-11.04000
4.500	2.000	-.64556	-.03616	.66201	.02276	1.87470	1500.60001	1600.60001	1506.30000	1606.70000	-11.04800
4.500	3.000	-.64306	-.03614	.65404	.02465	1.87410	1500.70000	1600.70000	1506.80000	1607.30000	-11.05500
4.500	4.000	-.64147	-.03522	.65035	.02357	1.87050	1500.10001	1600.10001	1506.39999	1606.80000	-11.05900
4.500	5.000	-.64063	-.03362	.64514	.02413	1.87450	1500.30000	1600.30000	1506.10001	1606.50000	-11.06300
4.500	6.000	-.63707	-.03184	.63829	.02622	1.87140	1499.89999	1599.89999	1505.00000	1605.39999	-11.07000
4.500	7.000	-.63202	-.02232	.63526	.02503	1.87130	1499.39999	1599.39999	1504.50000	1604.89999	-11.05700
4.500	8.000	-.62865	-.01959	.63096	.02601	1.87110	1499.80000	1599.80000	1505.00000	1605.30000	-11.06100
4.500	9.000	-.62482	-.01974	.62289	.02543	1.87090	1499.50000	1599.50000	1504.30000	1604.60001	-11.06300
4.500	10.000	-.62941	-.02045	.61265	.02121	1.86940	1499.20000	1599.10001	1504.00000	1604.30000	-11.05000
	GRADIENT	.00358	-.00013	-.00967	.00094	-.00007	-.04909	-.05818	.27091	.29000	-.00315

ORIGINAL PAGE IS
OF POOR QUALITY

AEDC VA422 1A61 01ETIS1 SRB DATA (O/ET SEPRING)

(ST0068) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 340.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 175/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.25793	-.00735	.19207	.01677	.39242	343.21000	366.09000	345.06000	368.06000	-8.21060
4.500	-9.000	-.24494	-.00867	.18894	.01712	.39278	343.03000	365.90000	344.74000	367.72000	-8.20140
4.500	-8.000	-.23292	-.00995	.18783	.01619	.39239	343.00000	365.87000	344.68000	367.65000	-8.19440
4.500	-7.000	-.22054	-.01181	.18513	.01626	.39230	342.82000	365.67000	344.35000	367.31000	-8.18830
4.500	-6.000	-.20839	-.01361	.18184	.01663	.39204	342.67000	365.51000	344.20000	367.15000	-8.18080
4.500	-5.000	-.19866	-.01430	.17930	.01660	.39195	342.32000	365.14000	344.10000	367.04000	-8.17120
4.500	-4.000	-.19041	-.01444	.17720	.01632	.39254	342.31000	365.14000	343.88000	366.81000	-8.16020
4.500	-3.000	-.18308	-.01424	.17557	.01588	.39258	342.37000	365.20000	343.76000	366.68000	-8.14870
4.500	-2.000	-.17676	-.01356	.17398	.01532	.39187	342.26000	365.08000	343.69000	366.61000	-8.13650
4.500	-1.000	-.17106	-.01250	.17273	.01489	.39231	342.07000	364.87000	343.58000	366.49000	-8.12380
4.500	-.000	-.16548	-.01146	.17133	.01451	.39242	341.86000	364.66000	343.43000	366.32000	-8.11110
4.500	1.000	-.16016	-.01023	.17005	.01408	.39218	341.99000	364.79000	343.50000	366.40000	-8.09750
4.500	2.000	-.15501	-.00892	.16926	.01354	.39175	342.00000	364.80000	343.36000	366.25000	-8.08390
4.500	3.000	-.15022	-.00732	.16895	.01290	.39232	341.92000	364.72000	343.28000	366.17000	-8.06830
4.500	4.000	-.14570	-.00595	.16871	.01242	.39226	341.95000	364.75000	343.36000	366.25000	-8.05360
4.500	5.000	-.14120	-.00475	.16821	.01204	.39174	341.85000	364.64000	343.33000	366.22000	-8.03930
4.500	6.000	-.13655	-.00369	.16757	.01167	.39162	341.72000	364.50000	343.13000	366.01000	-8.02510
4.500	7.000	-.13146	-.00275	.16690	.01123	.39177	341.56000	364.33000	343.22000	366.10000	-8.01150
4.500	8.000	-.12642	-.00166	.16614	.01090	.39138	341.59000	364.36000	343.12000	365.99000	-7.99800
4.500	9.000	-.12156	-.00033	.16472	.01060	.39119	341.50000	364.33000	343.10000	365.98000	-7.98420
4.500	10.000	-.11552	.00015	.16022	.00884	.39066	341.48000	364.25000	343.00000	365.87000	-7.97320
	GRADIENT	.00563	.00104	-.00110	-.00047	-.00003	-.05218	-.05582	-.07373	-.07891	.01326

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRTRNG)

(STQ069) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 750.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 173/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.40190	-.01416	.32658	.01684	.91081	747.03000	796.83000	753.84000	804.10000	-8.39850
4.500	-9.000	-.38180	-.02013	.31135	.02099	.91124	746.66000	796.44000	753.66000	803.90000	-8.38340
4.500	-8.000	-.36941	-.02260	.30562	.02054	.90933	746.40000	796.16000	753.36000	803.59000	-8.37750
4.500	-7.000	-.35704	-.02492	.30021	.01948	.90922	746.49000	796.25000	753.56000	803.80000	-8.37250
4.500	-6.000	-.34603	-.02671	.29655	.01840	.90857	746.30000	796.05000	753.43000	803.66000	-8.36560
4.500	-5.000	-.33557	-.02667	.29501	.01789	.90800	745.96000	795.69000	752.71000	802.90000	-8.35230
4.500	-4.000	-.31621	-.02160	.29734	.02086	.91012	745.86000	795.58000	752.35000	802.51000	-8.31360
4.500	-3.000	-.30457	-.01885	.29799	.02236	.91011	745.70000	795.41000	752.17000	802.31000	-8.28950
4.500	-2.000	-.29737	-.01765	.29753	.02255	.90909	745.75000	795.46000	752.18000	802.32000	-8.27450
4.500	-1.000	-.29034	-.01576	.29819	.02315	.91006	745.63000	795.34000	752.13000	802.28000	-8.25770
4.500	-.000	-.28355	-.01347	.30040	.02418	.90895	745.80000	795.52000	752.15000	802.29000	-8.23930
4.500	1.000	-.27793	-.01146	.30167	.02432	.90926	745.74000	795.46000	752.02000	802.16000	-8.22310
4.500	2.000	-.27304	-.00941	.30271	.02409	.91009	745.59000	795.30000	751.97000	802.10000	-8.20700
4.500	3.000	-.26854	-.00798	.30259	.02332	.90894	745.53000	795.23000	751.95000	802.08000	-8.19270
4.500	4.000	-.26404	-.00699	.30288	.02214	.91004	745.42000	795.12000	751.84000	801.96000	-8.17870
4.500	5.000	-.25977	-.00596	.30328	.02095	.90786	745.48000	795.17000	751.83000	801.95000	-8.16500
4.500	6.000	-.25712	-.00578	.30201	.01937	.90834	745.32000	795.00000	751.84000	801.96000	-8.15520
4.500	7.000	-.25595	-.00648	.29975	.01728	.90846	745.37000	795.05000	751.91000	802.03000	-8.15020
4.500	8.000	-.25158	-.00534	.29911	.01668	.90860	745.05000	794.72000	751.57000	801.68000	-8.13620
4.500	9.000	-.24632	-.00393	.29865	.01656	.90924	745.20000	794.89000	751.68000	801.79000	-8.12100
4.500	10.000	-.24104	-.00217	.29685	.01733	.91027	745.29000	794.97000	751.67000	801.78000	-8.10650
	GRADIENT	.00688	.00196	.00083	.00025	-.00003	-.04436	-.04709	-.06936	-.07455	.01760

AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)

(STQ070) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 750.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 174/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DBET-R
4.500	-10.000	-.30459	-.02504	.43122	.00342	.91319	747.73000	797.58000	753.45000	803.69000	-10.75600
4.500	-9.000	-.30582	-.02214	.40918	.01215	.91167	747.34000	797.16000	753.42000	803.65000	-10.77500
4.500	-8.000	-.30553	-.02073	.38958	.01808	.91253	747.29000	797.11000	753.58000	803.82000	-10.78900
4.500	-7.000	-.30419	-.01986	.37458	.02160	.91118	747.22000	797.04000	753.49000	803.73000	-10.80300
4.500	-6.000	-.30395	-.01893	.36151	.02375	.91384	747.23000	797.04000	753.43000	803.66000	-10.81500
4.500	-5.000	-.30239	-.01821	.34940	.02507	.90960	747.24000	797.05000	753.48000	803.71000	-10.82500
4.500	-4.000	-.29944	-.01719	.33890	.02631	.91227	747.27000	797.09000	753.55000	803.78000	-10.83500
4.500	-3.000	-.29447	-.01557	.32928	.02767	.91010	747.05000	796.85000	753.71000	803.96000	-10.84500
4.500	-2.000	-.28966	-.01373	.32110	.02816	.91145	747.05000	796.86000	754.00000	804.27000	-10.85300
4.500	-1.000	-.28638	-.01244	.31332	.02780	.91269	747.13000	796.94000	754.29000	804.57000	-10.85900
4.500	-.000	-.28587	-.01321	.30119	.02505	.91136	746.96000	796.76000	754.41000	804.71000	-10.85500
4.500	1.000	-.28645	-.01462	.29065	.02200	.91356	747.00000	796.80000	754.32000	804.61000	-10.85000
4.500	2.000	-.28542	-.01490	.28362	.02031	.91258	746.87000	796.66000	754.49000	804.79000	-10.85300
4.500	3.000	-.28459	-.01472	.27847	.01853	.91150	746.74000	796.52000	754.69000	805.00000	-10.85800
4.500	4.000	-.28455	-.01446	.27471	.01671	.91240	746.84000	796.63000	754.55000	804.86000	-10.86600
4.500	5.000	-.28453	-.01434	.27161	.01466	.91137	746.92000	796.71000	754.30000	804.59000	-10.87300
4.500	6.000	-.28496	-.01443	.26841	.01238	.91212	746.99000	796.79000	754.21000	804.49000	-10.88000
4.500	7.000	-.28568	-.01452	.26459	.01016	.91054	746.72000	796.50000	753.67000	803.92000	-10.88600
4.500	8.000	-.28651	-.01482	.25955	.00782	.91184	746.71000	796.49000	753.46000	803.69000	-10.88700
4.500	9.000	-.28768	-.01558	.25437	.00524	.91367	746.77000	796.55000	753.41000	803.63000	-10.88700
4.500	10.000	-.28789	-.01672	.24698	.00383	.91200	746.62000	796.40000	753.37000	803.59000	-10.89200
	GRADIENT	.00170	.00026	-.00814	-.00127	.00015	-.04309	-.04609	.10955	.11746	-.00358

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET151 SR8 DATA (O/ET SEPRING)

(STQ071) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 172/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.61636	-.01735	.58352	.03239	1.86680	1500.70000	1600.70000	1506.00000	1606.39999	-8.63570
4.500	-9.000	-.60048	-.02239	.57734	.03354	1.86530	1500.50000	1600.50000	1505.89999	1606.20000	-8.62950
4.500	-8.000	-.58835	-.02671	.57143	.03530	1.86590	1501.10001	1601.10001	1506.00000	1606.39999	-8.63410
4.500	-7.000	-.57586	-.03067	.56714	.03550	1.86210	1500.80000	1600.89999	1505.70000	1606.10001	-8.62040
4.500	-6.000	-.56922	-.03228	.55824	.03493	1.86520	1500.89999	1601.00000	1506.00000	1606.39999	-8.61750
4.500	-5.000	-.56308	-.03378	.55043	.03484	1.86380	1500.89999	1601.00000	1506.00000	1606.39999	-8.61280
4.500	-4.000	-.55728	-.03462	.54474	.03421	1.86330	1500.70000	1600.80000	1505.89999	1606.30000	-8.60530
4.500	-3.000	-.55279	-.03425	.53971	.03394	1.86530	1500.80000	1600.80000	1505.10001	1605.39999	-8.59420
4.500	-2.000	-.54770	-.03329	.53620	.03329	1.86330	1500.60001	1600.70000	1505.00000	1605.39999	-8.58060
4.500	-1.000	-.54127	-.03307	.53673	.03068	1.86620	1500.60001	1600.60001	1504.70000	1605.00000	-8.56770
4.500	.000	-.52828	-.03369	.54639	.02373	1.86580	1500.70000	1600.70000	1504.80000	1605.10001	-8.54850
4.500	1.000	-.52183	-.03432	.55233	.01842	1.86540	1500.39999	1600.39999	1504.30000	1604.50000	-8.54040
4.500	2.000	-.51101	-.02991	.55808	.01590	1.86390	1499.80000	1599.80000	1503.60001	1603.89999	-8.50710
4.500	3.000	-.50875	-.02845	.55656	.01478	1.86100	1499.70000	1599.70000	1503.10001	1603.30000	-8.49540
4.500	4.000	-.50941	-.02730	.55262	.01329	1.86240	1499.20000	1599.20000	1503.00000	1603.20000	-8.48270
4.500	5.000	-.50944	-.02538	.54847	.01316	1.86220	1499.20000	1599.10001	1503.10001	1603.30000	-8.46520
4.500	6.000	-.50186	-.01987	.54970	.01593	1.86500	1499.10001	1599.10001	1502.89999	1603.00000	-8.42150
4.500	7.000	-.49821	-.01670	.54657	.01742	1.86470	1499.00000	1598.89999	1503.00000	1603.20000	-8.36950
4.500	8.000	-.49455	-.01347	.54397	.01894	1.86480	1499.00000	1599.00000	1502.80000	1603.00000	-8.31650
4.500	9.000	-.49117	-.01035	.54159	.02002	1.86180	1499.10001	1599.00000	1503.00000	1603.20000	-8.27280
4.500	10.000	-.48774	-.00769	.53858	.02094	1.86520	1498.89999	1598.89999	1502.80000	1603.00000	-8.23770
	GRADIENT	.00622	.00086	.00120	-.00270	-.00022	-.17818	-.19273	-.32091	-.34273	.01545

ORIGINAL PAGE IS
 OF POOR QUALITY

AEDC VA422 1A61 01ET151 SRB DATA (O/ET SEPRING)

(STQ072) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 1500.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 171/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DBET-R
4.500	-10.000	-.57673	-.03122	.62963	.01843	1.87050	1498.80000	1598.80000	1504.00000	1604.30000	-10.99200
4.500	-9.000	-.57434	-.03089	.62490	.01752	1.86770	1498.70000	1598.60001	1504.10001	1604.39999	-10.99600
4.500	-8.000	-.56955	-.03135	.62087	.01618	1.86940	1498.70000	1598.60001	1504.30000	1604.60001	-10.99700
4.500	-7.000	-.56323	-.03228	.61715	.01484	1.87040	1498.70000	1598.60001	1504.20000	1604.50000	-10.99900
4.500	-6.000	-.55557	-.03399	.60997	.01608	1.86840	1498.89999	1598.89999	1504.30000	1604.60001	-11.00600
4.500	-5.000	-.55123	-.03415	.59704	.01479	1.86870	1498.70000	1598.60001	1504.30000	1604.60001	-11.00700
4.500	-4.000	-.54783	-.03472	.58366	.01401	1.86920	1498.60001	1598.50000	1504.20000	1604.39999	-11.01100
4.500	-3.000	-.54201	-.03576	.57934	.01480	1.86760	1498.89999	1598.80000	1504.39999	1604.60001	-11.02300
4.500	-2.000	-.53590	-.03652	.57130	.01626	1.86970	1498.39999	1598.30000	1504.30000	1604.60001	-11.03400
4.500	-1.000	-.53136	-.03631	.55829	.01971	1.86980	1498.30000	1598.20000	1504.10001	1604.39999	-11.04800
4.500	.000	-.53665	-.03238	.53688	.02899	1.86790	1498.30000	1598.20000	1504.20000	1604.50000	-11.07200
4.500	1.000	-.53712	-.03092	.52571	.03275	1.86830	1499.10001	1599.10001	1505.00000	1605.39999	-11.08900
4.500	2.000	-.53280	-.03070	.52258	.03254	1.86680	1498.70000	1598.60001	1504.39999	1604.70000	-11.10000
4.500	3.000	-.52429	-.02375	.52124	.03284	1.86690	1498.30000	1598.20000	1504.30000	1604.60001	-11.11400
4.500	4.000	-.51752	-.02230	.52397	.03265	1.86790	1498.39999	1598.20000	1503.30000	1603.50000	-11.13300
4.500	5.000	-.51360	-.02122	.52271	.03119	1.86850	1498.39999	1598.30000	1502.89999	1603.10001	-11.14400
4.500	6.000	-.51413	-.01961	.51446	.02939	1.86720	1498.20000	1598.10001	1502.50000	1602.70000	-11.14600
4.500	7.000	-.52427	-.02267	.49856	.02096	1.86960	1499.00000	1598.89999	1502.89999	1603.10001	-11.11100
4.500	8.000	-.52692	-.02298	.49274	.01730	1.86940	1499.39999	1599.30000	1503.30000	1603.50000	-11.10000
4.500	9.000	-.52293	-.02185	.49098	.01662	1.86810	1499.20000	1599.10001	1503.39999	1603.60001	-11.10800
4.500	10.000	-.51718	-.02203	.48722	.01608	1.86730	1498.70000	1598.60001	1502.70000	1602.89999	-11.11400
	GRADIENT	.00330	.00152	-.00832	.00233	-.00014	-.02454	-.02727	-.08909	-.09000	-.01472

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET2S1 SRB DATA (O/ET SEPRTNG)

(STQ073) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = -1.000
 SRBPOS = 1.100 PT-JET = .000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 129/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.07840	-.00925	.03164	.00570	.00000	.00000	.00000	.00000	.00000	.15697
4.500	-9.000	-.06990	-.00802	.02781	.00521	.00000	.00000	.00000	.00000	.00000	.15047
4.500	-8.000	-.06208	-.00682	.02393	.00479	.00000	.00000	.00000	.00000	.00000	.14334
4.500	-7.000	-.05492	-.00561	.01998	.00451	.00000	.00000	.00000	.00000	.00000	.13505
4.500	-6.000	-.04783	-.00442	.01555	.00441	.00000	.00000	.00000	.00000	.00000	.12732
4.500	-5.000	-.04087	-.00311	.01053	.00456	.00000	.00000	.00000	.00000	.00000	.12056
4.500	-4.000	-.03443	-.00208	.00525	.00504	.00000	.00000	.00000	.00000	.00000	.11284
4.500	-3.000	-.02819	-.00121	-.00019	.00582	.00000	.00000	.00000	.00000	.00000	.10471
4.500	-2.000	-.02254	-.00019	-.00539	.00684	.00000	.00000	.00000	.00000	.00000	.09663
4.500	-1.000	-.01727	.00106	-.00970	.00775	.00000	.00000	.00000	.00000	.00000	.08827
4.500	.000	-.01204	.00195	-.01188	.00828	.00000	.00000	.00000	.00000	.00000	.07937
4.500	1.000	-.00713	.00294	-.01284	.00885	.00000	.00000	.00000	.00000	.00000	.07131
4.500	2.000	-.00289	.00453	-.01190	.00903	.00000	.00000	.00000	.00000	.00000	.06485
4.500	3.000	.00210	.00571	-.00913	.00840	.00000	.00000	.00000	.00000	.00000	.05805
4.500	4.000	.00790	.00652	-.00595	.00773	.00000	.00000	.00000	.00000	.00000	.05111
4.500	5.000	.01369	.00751	-.00319	.00718	.00000	.00000	.00000	.00000	.00000	.04470
4.500	6.000	.02041	.00833	-.00017	.00664	.00000	.00000	.00000	.00000	.00000	.03922
4.500	7.000	.02790	.00923	.00292	.00626	.00000	.00000	.00000	.00000	.00000	.03427
4.500	8.000	.03477	.01042	.00613	.00619	.00000	.00000	.00000	.00000	.00000	.02931
4.500	9.000	.04245	.01149	.00904	.00630	.00000	.00000	.00000	.00000	.00000	.02426
4.500	10.000	.05083	.01248	.01141	.00650	.00000	.00000	.00000	.00000	.00000	.01924
	GRADIENT	.00529	.00109	-.00142	.00034	.00000	.00000	.00000	.00000	.00000	-.00770

ORIGINAL PAGE IS
 OF POOR QUALITY

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(STQ074) (23 OCT 75)

PARAMETRIC DATA

L-SRB	=	1.000	R-SRB	=	1.000
SRBPOS	=	1.100	PT-JET	=	.000
RN/L	=	1.760	ALPHA	=	.000
TO-JET	=	100.000	X	=	.000
Y	=	.000	Z	=	.000

MACH	BETA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DBET-R
4.500	-10.000	-.00022	-.00378	.00489	.00671	.00000	.00000	.00000	.00000	.00000	.10474
4.500	-9.000	-.00018	-.00371	.00429	.00699	.00000	.00000	.00000	.00000	.00000	.08956
4.500	-8.000	-.00078	-.00370	.00339	.00730	.00000	.00000	.00000	.00000	.00000	.07477
4.500	-7.000	-.00128	-.00353	.00232	.00747	.00000	.00000	.00000	.00000	.00000	.06079
4.500	-6.000	-.00216	-.00336	.00130	.00750	.00000	.00000	.00000	.00000	.00000	.04647
4.500	-5.000	-.00311	-.00301	.00027	.00731	.00000	.00000	.00000	.00000	.00000	.03278
4.500	-4.000	-.00444	-.00243	-.00132	.00716	.00000	.00000	.00000	.00000	.00000	.01906
4.500	-3.000	-.00517	-.00155	-.00362	.00720	.00000	.00000	.00000	.00000	.00000	.00818
4.500	-2.000	-.00844	-.00049	-.00713	.00736	.00000	.00000	.00000	.00000	.00000	-.00258
4.500	-1.000	-.01115	.00079	-.01044	.00753	.00000	.00000	.00000	.00000	.00000	-.01281
4.500	-.000	-.01404	.00199	-.01330	.00758	.00000	.00000	.00000	.00000	.00000	-.02354
4.500	1.000	-.01619	.00269	-.01564	.00746	.00000	.00000	.00000	.00000	.00000	-.03429
4.500	2.000	-.01835	.00348	-.01840	.00752	.00000	.00000	.00000	.00000	.00000	-.04676
4.500	3.000	-.02022	.00411	-.02116	.00754	.00000	.00000	.00000	.00000	.00000	-.06088
4.500	4.000	-.02219	.00502	-.02453	.00773	.00000	.00000	.00000	.00000	.00000	-.07533
4.500	5.000	-.02465	.00626	-.02734	.00784	.00000	.00000	.00000	.00000	.00000	-.08905
4.500	6.000	-.02781	.00766	-.02985	.00789	.00000	.00000	.00000	.00000	.00000	-.10221
4.500	7.000	-.03066	.00881	-.03207	.00784	.00000	.00000	.00000	.00000	.00000	-.11539
4.500	8.000	-.03324	.00984	-.03438	.00796	.00000	.00000	.00000	.00000	.00000	-.12932
4.500	9.000	-.03608	.01100	-.03619	.00793	.00000	.00000	.00000	.00000	.00000	-.14237
4.500	10.000	-.03846	.01199	-.03826	.00801	.00000	.00000	.00000	.00000	.00000	-.15599
	GRADIENT	-.00223	.00094	-.00283	.00006	.00000	.00000	.00000	.00000	.00000	-.01185

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TABULATED SOURCE DATA, AEOC VA 422, 1A61

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AEOC VA422 1A61 01ET2S1 SRB DATA (O/ET SEPRING)

(STQ075) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 128/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.000	-.51060	-.02115	.47589	.01919	1.91630	1497.80000	1597.70000	1500.39999	1600.39999	-.47670
4.500	-9.000	-.50612	-.02147	.47462	.01885	1.91790	1497.70000	1597.50000	1500.80000	1600.80000	-.49368
4.500	-8.000	-.50237	-.02198	.47320	.01877	1.91940	1497.70000	1597.60001	1501.20000	1601.20000	-.50900
4.500	-7.000	-.49828	-.02230	.47042	.01884	1.91700	1497.80000	1597.70000	1501.50000	1601.60001	-.52320
4.500	-6.000	-.49218	-.02218	.46812	.01871	1.92310	1499.30000	1599.30000	1503.00000	1603.30000	-.53497
4.500	-5.000	-.48610	-.02189	.46646	.01892	1.92320	1499.70000	1599.70000	1503.60001	1603.80000	-.54684
4.500	-4.000	-.48130	-.02128	.46364	.01908	1.91430	1499.60001	1599.60001	1503.80000	1604.00000	-.55973
4.500	-3.000	-.47747	-.02020	.45981	.01891	1.89060	1497.50000	1597.39999	1501.70000	1601.89999	-.57404
4.500	-2.000	-.47260	-.01844	.45682	.01866	1.89680	1493.70000	1593.30000	1497.89999	1597.80000	-.58626
4.500	-1.000	-.46757	-.01637	.45567	.01837	1.92780	1493.20000	1592.80000	1497.10001	1596.89999	-.59941
4.500	.000	-.46454	-.01534	.45703	.01836	1.93620	1497.00000	1596.80000	1501.10001	1601.20000	-.62019
4.500	1.000	-.46069	-.01474	.45703	.01829	1.91300	1498.80000	1598.70000	1502.70000	1602.80000	-.64247
4.500	2.000	-.45629	-.01432	.45662	.01832	1.90350	1496.70000	1596.50000	1500.89999	1601.00000	-.66464
4.500	3.000	-.45263	-.01390	.45671	.01831	1.90820	1495.50000	1595.20000	1499.89999	1599.89999	-.68537
4.500	4.000	-.44937	-.01358	.45658	.01849	1.93080	1496.50000	1596.20000	1501.10001	1601.10001	-.70496
4.500	5.000	-.44671	-.01329	.45628	.01881	1.92140	1498.60001	1598.50000	1503.30000	1603.50000	-.72376
4.500	6.000	-.44340	-.01329	.45505	.01920	1.91150	1497.30000	1597.10001	1502.10001	1602.20000	-.74094
4.500	7.000	-.44003	-.01319	.45447	.01992	1.91400	1497.39999	1597.30000	1502.10001	1602.20000	-.75963
4.500	8.000	-.43584	-.01285	.45359	.02068	1.90940	1496.30000	1596.10001	1501.39999	1601.39999	-.77645
4.500	9.000	-.43202	-.01239	.45381	.02119	1.92600	1497.30000	1597.10001	1502.10001	1602.30000	-.79388
4.500	10.000	-.42847	-.01178	.45546	.02158	1.92340	1498.80000	1598.70000	1503.50000	1603.80000	-.81196
	GRADIENT	.00399	.00093	-.00080	-.00005	.00099	-.11182	-.12636	-.05545	-.06182	-.01818

AEDC VA422 1A61 01EY2S1 SRB DATA (O/ET SEPRING)

(STQ076) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 127/ 0 RN/L = 1.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DBET-R
4.500	-10.000	-.46871	-.00982	.46939	.02205	1.92670	1497.10001	1596.89999	1501.80000	1601.89999	-.39012
4.500	-9.000	-.47128	-.01047	.46853	.02195	1.92570	1497.39999	1597.20000	1501.80000	1601.89999	-.40714
4.500	-8.000	-.47476	-.01209	.46674	.02223	1.92530	1497.89999	1597.80000	1501.50000	1601.60001	-.42014
4.500	-7.000	-.47821	-.01386	.46441	.02262	1.92830	1497.70000	1597.50000	1501.20000	1601.30000	-.42986
4.500	-6.000	-.47861	-.01516	.46328	.02273	1.92590	1497.80000	1597.70000	1501.60001	1601.80000	-.44399
4.500	-5.000	-.47744	-.01695	.46244	.02246	1.92580	1497.60001	1597.50000	1501.70000	1601.80000	-.46265
4.500	-4.000	-.47520	-.01768	.46141	.02162	1.92350	1497.60001	1597.39999	1501.80000	1601.89999	-.47978
4.500	-3.000	-.47231	-.01661	.45965	.02087	1.92610	1497.50000	1597.30000	1502.30000	1602.39999	-.48052
4.500	-2.000	-.46929	-.01568	.45796	.01991	1.92680	1497.39999	1597.20000	1502.20000	1602.30000	-.47414
4.500	-1.000	-.46715	-.01519	.45770	.01898	1.92760	1497.60001	1597.39999	1502.30000	1602.50000	-.46573
4.500	-.000	-.46693	-.01546	.45727	.01823	1.92720	1497.89999	1597.80000	1502.80000	1603.00000	-.46268
4.500	1.000	-.46839	-.01607	.45693	.01765	1.92710	1497.70000	1597.60001	1502.89999	1603.10001	-.46363
4.500	2.000	-.47038	-.01674	.45634	.01722	1.92500	1498.20000	1598.10001	1502.89999	1603.10001	-.47024
4.500	3.000	-.47263	-.01708	.45598	.01735	1.92610	1498.00000	1597.80000	1502.89999	1603.10001	-.48120
4.500	4.000	-.47475	-.01711	.45560	.01862	1.92460	1497.89999	1597.70000	1502.89999	1603.10001	-.49412
4.500	5.000	-.47666	-.01696	.45449	.02013	1.92770	1498.00000	1597.80000	1502.89999	1603.10001	-.50894
4.500	6.000	-.47910	-.01658	.45383	.02128	1.92900	1497.80000	1597.70000	1502.80000	1603.00000	-.53106
4.500	7.000	-.48372	-.01642	.45264	.02218	1.92780	1498.20000	1598.10001	1502.70000	1602.89999	-.55044
4.500	8.000	-.48747	-.01704	.45205	.02286	1.92460	1498.39999	1598.20000	1502.70000	1602.89999	-.57340
4.500	9.000	-.48899	-.01729	.45227	.02396	1.92560	1498.30000	1598.20000	1502.80000	1602.89999	-.59883
4.500	10.000	-.49105	-.01733	.45147	.02491	1.92770	1498.39999	1598.30000	1502.89999	1603.00000	-.62284
4.500	GRADIENT	.00001	-.00002	-.00071	-.00037	.00009	.05318	.05636	.12909	.14182	-.00255

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)

(STQ077) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 137/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.043	-.51113	-.02090	.47719	.01924	1.84010	1500.80000	1500.80000	1503.70000	1504.00000	-.47751
4.500	-4.977	-.48492	-.02217	.46622	.01892	1.84020	1499.70000	1599.70000	1503.00000	1503.20000	-.55145
4.500	.122	-.46408	-.01552	.45774	.01871	1.84520	1499.50000	1599.50000	1503.30000	1503.50000	-.63138
4.500	5.245	-.44577	-.01480	.45704	.01924	1.84370	1499.39999	1599.39999	1503.50000	1503.70000	-.73846
4.500	10.383	-.42715	-.01197	.45624	.02203	1.84470	1499.30000	1599.30000	1502.70000	1502.89999	-.81860
	GRADIENT	.00409	.00130	-.00166	-.00004	.00098	-.03922	-.03922	.05883	.05883	-.01567

AEDC VA422 1A61 01ET1S1 SRB DATA (O/ET SEPRNG)

(STQ078) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 138/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DBET-R
4.500	-10.045	-.46934	-.00972	.47001	.02204	1.83690	1499.39999	1599.39999	1502.60001	1502.80000	-.38798
4.500	-4.970	-.47643	-.01752	.46301	.02248	1.83950	1500.20000	1600.20000	1504.10001	1504.30000	-.46602
4.500	-.000	-.46662	-.01578	.45781	.01837	1.83700	1500.70000	1600.70000	1504.70000	1505.00000	-.46326
4.500	5.058	-.47676	-.01759	.45558	.02018	1.83690	1500.00000	1600.00000	1503.89999	1504.20000	-.51141
4.500	10.136	-.49103	-.01780	.45235	.02421	1.83110	1499.70000	1599.70000	1503.30000	1503.60001	-.62371
	GRADIENT	.00197	.00035	-.00105	-.00083	-.00050	.10061	.10061	.12073	.14085	.00056

(STQ079) (23 OCT 75)

PARAMETRIC DATA

L-SRB	=	2.000	R-SRB	=	2.000
SRBPOS	=	2.200	PT-JET	=	1500.000
RN/L	=	1.760	BETA	=	.000
TO-JET	=	100.000	X	=	147.000
Y	=	216.800	Z	=	259.400

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.020	- .57405	- .04143	.56644	.06492	1.83400	1498.70000	1598.60001	1504.10001	1604.39999	-3.80880
4.500	-4.961	- .56636	- .02805	.56408	.04498	1.82690	1499.30000	1599.20000	1503.70000	1604.00000	-3.76340
4.500	.101	- .53321	- .03080	.55665	.03598	1.82430	1499.39999	1599.30000	1501.60001	1601.70000	-3.79760
4.500	5.143	- .49645	- .01525	.55438	.03362	1.82600	1496.60001	1596.39999	1499.89999	1599.89999	-3.71570
4.500	10.211	- .46457	- .00682	.53946	.03090	1.82520	1496.80000	1596.50000	1500.60001	1600.60001	-3.74670
	GRADIENT	.00555	- .00054	- .00344	- .00178	-.00051	.01975	.01976	- .41491	- .45442	- .00676

(SYQ080) (23 OCT 75)

PARAMETRIC DATA

```

L-SRB      =      2.000      R-SRB      =      2.000
SRBPOS     =      2.200      PT-JET     =    1500.000
RN/L       =      1.760      ALPHA    =      .000
TO-JET     =    100.000      X        =     147.000
Y          =    216.800      Z        =     259.400

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET151 SRB DATA (O/ET SEPRING)

(STQ081) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 169/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DALP-R
4.500	-10.186	-.51696	-.01680	.58357	.03218	1.88310	1498.39999	1598.30000	1501.10001	1601.10001	-8.63540
4.500	-5.136	-.56239	-.03356	.54859	.03482	1.88230	1497.39999	1597.20000	1500.39999	1600.39999	-8.61320
4.500	-.116	-.53235	-.03435	.54345	.02445	1.88720	1500.10001	1600.10001	1502.80000	1603.00000	-8.55710
4.500	4.948	-.51085	-.02512	.54771	.01308	1.88790	1498.89999	1598.80000	1502.10001	1602.20000	-8.46480
4.500	9.890	-.48981	-.00723	.53978	.02105	1.88880	1501.30000	1601.39999	1504.60001	1604.99999	-8.23800
	GRADIENT	.00425	.00182	.00084	-.00225	.00014	-.23700	-.25674	-.13824	-.15799	.01823

AEDC VA422 1A61 01ET151 SRB DATA (O/ET SEPRING)

(STQ082) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1167.0000 IN.XS
 LREF = 1290.3000 IN. YMRP = .0000 IN.YS
 BREF = 1290.3000 IN. ZMRP = 400.0000 IN.ZS
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 1500.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 170/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CNT	CLMT	CYT	CYNT	MT	PC-R	PS-R	PC-L	PS-L	DBET-R
4.500	-10.090	-.57757	-.03098	.63031	.01863	1.87750	1499.30000	1599.30000	1502.20000	1602.30000	-10.99300
4.500	-5.050	-.55141	-.03424	.60208	.01471	1.87640	1500.70000	1600.70000	1504.39999	1604.70000	-11.01200
4.500	-.026	-.53732	-.03223	.53648	.02900	1.87440	1499.20000	1599.20000	1504.10001	1604.39999	-11.07300
4.500	5.061	-.51343	-.02104	.52222	.03096	1.87330	1498.70000	1598.60001	1503.60001	1603.80000	-11.14600
4.500	10.127	-.51719	-.02213	.48615	.01587	1.87100	1498.20000	1598.00000	1502.10001	1602.30000	-11.11400
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 0/ET (RGHT SRB SEPRING)

(RTQ015) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = .000 R-SRB = 1.000
 SRBPOS = .100 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 111/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.26257	.09899	.22589	-.28946	-.02387	-.00493	.39241
4.500	-9.000	-.23564	.09226	.21780	-.28153	-.02663	-.00449	.39067
4.500	-8.000	-.20749	.08449	.20919	-.27494	-.02851	-.00415	.38874
4.500	-7.000	-.17851	.07655	.19884	-.26863	-.02896	-.00391	.38336
4.500	-6.000	-.14841	.06848	.18942	-.26380	-.02884	-.00366	.37835
4.500	-5.000	-.11790	.05976	.17949	-.25772	-.02956	-.00331	.37346
4.500	-4.000	-.08441	.05039	.16939	-.25218	-.02966	-.00334	.36759
4.500	-3.000	-.05261	.04228	.16071	-.24677	-.02976	-.00356	.36218
4.500	-2.000	-.02702	.03747	.15567	-.24374	-.03120	-.00285	.36241
4.500	-1.000	-.00132	.03229	.14935	-.23962	-.03204	-.00233	.35986
4.500	.000	.02383	.02787	.14512	-.23412	-.03295	-.00147	.35599
4.500	1.000	.04895	.02298	.14029	-.22928	-.03279	-.00090	.34982
4.500	2.000	.07257	.01849	.13515	-.22449	-.03279	-.00022	.34403
4.500	3.000	.09619	.01367	.13058	-.21986	-.03234	.00026	.33718
4.500	4.000	.11906	.00933	.12701	-.21593	-.03202	.00068	.33153
4.500	5.000	.14150	.00509	.12367	-.21468	-.02991	.00058	.32465
4.500	6.000	.16211	.00227	.12093	-.21380	-.02663	.00040	.31518
4.500	7.000	.17840	.00399	.11968	-.21842	-.01843	-.00077	.30024
4.500	8.000	.19496	.00454	.11792	-.21846	-.01410	-.00139	.28942
4.500	9.000	.21437	.00298	.11575	-.21461	-.01421	-.00043	.28459
4.500	10.000	.23413	.00048	.11474	-.20773	-.01626	.00139	.28063
	GRADIENT	.02552	-.00519	-.00536	.00445	-.00021	.00049	-.00464

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 O/ET (RGHT SRB SEPRTNG)

(RTQ016) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = .000 R-SRB = 1.000
 SRBPOS = .100 PT-JET = 1500.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 112/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CA	CY	CYN	CBL	ALPHA
4.500	-10.000	.00574	.04016	.18903	.04751	-.10270	.03078	-.01279
4.500	-9.000	.00460	.04148	.18364	.01554	-.09341	.02659	-.00742
4.500	-8.000	.00457	.04202	.17924	-.01614	-.08487	.02258	-.00296
4.500	-7.000	.00609	.04125	.17414	-.04604	-.07762	.01900	.00073
4.500	-6.000	.00901	.03998	.17037	-.07342	-.07149	.01596	.00421
4.500	-5.000	.01046	.04001	.16750	-.10093	-.06475	.01290	.00848
4.500	-4.000	.01106	.03979	.16398	-.12866	-.05686	.00979	.01160
4.500	-3.000	.01217	.03776	.15901	-.15523	-.04843	.00643	.01224
4.500	-2.000	.01328	.03482	.15513	-.18139	-.04199	.00321	.01051
4.500	-1.000	.01259	.03323	.15142	-.20728	-.03700	.00049	.00960
4.500	.000	.01472	.03106	.15005	-.23293	-.03271	-.00195	.00930
4.500	1.000	.01623	.02909	.14777	-.25779	-.02898	-.00411	.00923
4.500	2.000	.01736	.02740	.14766	-.28222	-.02603	-.00612	.00834
4.500	3.000	.01822	.02547	.14844	-.30735	-.02330	-.00787	.00625
4.500	4.000	.01953	.02310	.14801	-.33229	-.02033	-.00969	.00385
4.500	5.000	.01918	.02181	.15224	-.35587	-.01688	-.01141	.00074
4.500	6.000	.01848	.02122	.15480	-.38036	-.01227	-.01342	-.00100
4.500	7.000	.01756	.02079	.15782	-.40515	-.00745	-.01548	-.00283
4.500	8.000	.01809	.02017	.16067	-.43237	-.00277	-.01763	-.00348
4.500	9.000	.01965	.01913	.16363	-.45972	.00175	-.01979	-.00399
4.500	10.000	.02058	.01886	.16789	-.48612	.00555	-.02191	-.00417
4.500	GRADIENT	.00098	-.00194	-.00170	-.02543	.00455	-.00241	-.00084

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TABULATED SOURCE DATA. AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 0/ET (RGHT SRB SEPRTNG)

(RTQ017) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = .000 R-SRB = 2.000
 SRBPOS = .200 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 108/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CSL	BETA
4.500	-10.000	-.21804	.08776	.23822	-.23928	.12412	-.02038	-.01989
4.500	-9.000	-.20551	.08433	.23861	-.22941	.11943	-.02006	-.02014
4.500	-8.000	-.17912	.07925	.22933	-.22881	.11631	-.02077	-.01330
4.500	-7.000	-.14211	.06714	.21948	-.22666	.10931	-.02135	.00110
4.500	-6.000	-.10802	.05347	.21116	-.21916	.09705	-.02032	.02195
4.500	-5.000	-.07987	.04106	.20434	-.21973	.09316	-.01913	.03208
4.500	-4.000	-.05157	.02733	.19866	-.21636	.08786	-.01720	.04099
4.500	-3.000	-.02103	.01381	.19309	-.21121	.08234	-.01542	.04841
4.500	-2.000	.00818	.00221	.18836	-.20449	.07690	-.01403	.05375
4.500	-1.000	.03763	-.00569	.18358	-.19776	.07327	-.01301	.05472
4.500	-.000	.06071	-.01329	.17914	-.19223	.07075	-.01272	.05438
4.500	1.000	.08269	-.01985	.17496	-.18433	.06785	-.01256	.05218
4.500	2.000	.10479	-.02599	.17029	-.17950	.06299	-.01324	.05832
4.500	3.000	.12499	-.03058	.16614	-.17266	.05881	-.01305	.06043
4.500	4.000	.14806	-.03675	.16198	-.16468	.05516	-.01283	.05985
4.500	5.000	.17221	-.04404	.15783	-.15764	.05224	-.01218	.05860
4.500	6.000	.19894	-.05221	.15497	-.15340	.05046	-.01088	.05791
4.500	7.000	.00000	.00000	.00000	.00000	.00000	.00000	.05751
4.500	8.000	.24854	-.06286	.14753	-.15484	.04997	-.00946	.06068
4.500	9.000	.26608	-.06423	.14370	-.15679	.04917	-.00894	.06476
4.500	10.000	.28496	-.06545	.14126	-.15439	.04619	-.00818	.06901
	GRADIENT	.02487	-.00804	-.00459	.00633	-.00399	.00056	.00228

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 DIETISI O/ET (RGHT SRB SEPRTING)

(RTQ01B) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = .000 R-SRB = 2.000
 SRBPOS = .200 PT-JET = 1500.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 109/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CA	CY	CYN	CBL	ALPHA
4.500	-10.000	.11292	-.05418	.18391	.15983	-.04495	.03015	-.08733
4.500	-9.000	.10331	-.05056	.18377	.11974	-.03132	.02676	-.08890
4.500	-8.000	.10413	-.04233	.18017	.07769	-.02203	.02048	-.06373
4.500	-7.000	.09412	-.03409	.17755	.03467	-.00811	.01516	-.06005
4.500	-6.000	.07905	-.02590	.17538	-.00401	.00578	.01034	-.05693
4.500	-5.000	.07315	-.02402	.17542	-.03702	.01544	.00773	-.05830
4.500	-4.000	.06824	-.02161	.17658	-.06782	.02668	.00442	-.05808
4.500	-3.000	.06258	-.01805	.17770	-.10180	.04062	-.00045	-.05626
4.500	-2.000	.05876	-.01541	.17862	-.13744	.05398	-.00552	-.05432
4.500	-1.000	.05486	-.01320	.17924	-.17095	.06532	-.00966	-.05321
4.500	.000	.04912	-.01045	.17959	-.20168	.07487	-.01372	-.05277
4.500	1.000	.04356	-.01071	.17779	-.22843	.08253	-.01790	-.05737
4.500	2.000	.04333	-.01072	.17812	-.26488	.09342	-.02187	-.05691
4.500	3.000	.03546	-.00545	.17802	-.29679	.10339	-.02591	-.05327
4.500	4.000	.03168	-.00223	.17643	-.33360	.11136	-.02925	-.04905
4.500	5.000	.02831	-.00118	.17588	-.36888	.12026	-.03266	-.04923
4.500	6.000	.02502	.00013	.17666	-.40532	.12891	-.03627	-.04949
4.500	7.000	.02127	.00249	.17734	-.44252	.13791	-.04013	-.04799
4.500	8.000	.01727	.00518	.17874	-.47944	.14631	-.04370	-.04635
4.500	9.000	.01371	.00811	.18105	-.51620	.15368	-.04676	-.04430
4.500	10.000	.01193	.01016	.18365	-.55182	.15878	-.04945	-.04227
	GRADIENT	-.00449	.00219	.00000	-.03291	.01043	-.00413	.00074

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ETIS1 O/ET (RGHT SRB SEPRTNG)

(RTQ019) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = .000 R-SRB = 3.000
 SRBPOS = .300 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 104/ 0 RN/L = 1.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CSL	BETA
4.500	-10.000	-.31155	.09703	.21835	-.00332	.00176	.00043	-.00116
4.500	-9.000	-.28970	.09281	.21475	-.00278	.00126	.00033	-.00052
4.500	-8.000	-.26701	.08878	.21056	-.00316	.00134	.00032	-.00019
4.500	-7.000	-.24219	.08350	.20642	-.00369	.00170	.00025	-.00037
4.500	-6.000	-.21528	.07624	.20194	-.00366	.00181	.00022	-.00063
4.500	-5.000	-.18740	.06789	.19642	-.00286	.00163	.00033	-.00108
4.500	-4.000	-.15968	.05855	.18976	-.00241	.00145	.00025	-.00112
4.500	-3.000	-.13260	.05013	.18390	-.00171	.00113	.00025	-.00112
4.500	-2.000	-.10654	.04201	.17871	-.00122	.00080	.00027	-.00084
4.500	-1.000	-.08124	.03451	.17349	-.00089	.00056	.00023	-.00058
4.500	.000	-.05734	.02779	.16888	-.00080	.00062	.00023	-.00076
4.500	1.000	-.03420	.02140	.16552	-.00160	.00116	.00010	-.00111
4.500	2.000	-.00336	.00905	.16140	-.00739	.00547	-.00135	-.00473
4.500	3.000	.02275	.00009	.15930	-.00966	.00698	-.00259	-.00567
4.500	4.000	.05148	-.01129	.15654	-.01249	.00900	-.00440	-.00721
4.500	5.000	.07524	-.01860	.15492	-.01218	.00856	-.00482	-.00645
4.500	6.000	.10470	-.03095	.15009	-.01751	.01166	-.00540	-.00765
4.500	7.000	.15113	-.05664	.14630	-.02466	.01634	-.00977	-.01060
4.500	8.000	.20109	-.08458	.14224	-.03387	.02231	-.01479	-.01421
4.500	9.000	.25051	-.11122	.13888	-.04486	.02928	-.01947	-.01812
4.500	10.000	.29723	-.13381	.13642	-.05633	.03651	-.02316	-.02205
	GRADIENT	.02616	-.00857	-.00415	-.00113	.00084	-.00051	-.00067

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TABULATED SOURCE DATA, AEOC VA 422, 1A61

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AEOC VA422 1A61 01ET:51 O/ET (RGHT SRB SEPRING)

(RTQ020) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = .000 R-SRB = 3.000
 SRBPOS = .300 PT-JET = 1500.000
 RN/L = 1.750 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 105/ 0 RN/L = 1.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.31167	.09682	.21773	-.00353	.00181	.00041	-.00103
4.500	-9.000	-.28942	.09248	.21371	-.00288	.00132	.00030	-.00053
4.500	-8.000	-.26678	.08843	.20961	-.00341	.00144	.00026	-.00014
4.500	-7.000	-.24247	.08329	.20572	-.00378	.00172	.00022	-.00033
4.500	-6.000	-.21558	.07628	.20179	-.00385	.00189	.00019	-.00059
4.500	-5.000	-.18760	.06782	.19589	-.00364	.00174	.00013	-.00043
4.500	-4.000	-.15992	.05888	.18938	-.00318	.00161	.00007	-.00060
4.500	-3.000	-.13247	.04989	.18331	-.00270	.00133	.00002	-.00043
4.500	-2.000	-.10666	.04190	.17839	-.00225	.00108	.00004	-.00030
4.500	-1.000	-.08131	.03437	.17288	-.00151	.00070	.00010	-.00021
4.500	.000	-.05709	.02750	.16837	-.00185	.00082	.00000	-.00027
4.500	1.000	-.02806	.01641	.16379	-.00686	.00454	-.00096	-.00315
4.500	2.000	-.00340	.00881	.16079	-.00859	.00575	-.00166	-.00399
4.500	3.000	.02335	-.00069	.15869	-.01073	.00728	-.00310	-.00515
4.500	4.000	.05170	-.01167	.15624	-.01350	.00921	-.00480	-.00653
4.500	5.000	.07412	-.01799	.15445	-.01203	.00825	-.00480	-.00588
4.500	6.000	.10323	-.02982	.14960	-.01676	.01106	-.00510	-.00709
4.500	7.000	.14943	-.05549	.14580	-.02402	.01582	-.00953	-.01009
4.500	8.000	.19937	-.08350	.14149	-.03308	.02170	-.01453	-.01366
4.500	9.000	.24894	-.11026	.13800	-.04370	.02848	-.01919	-.01755
4.500	10.000	.29623	-.13360	.13519	-.05642	.03621	-.02330	-.02122
	GRADIENT	.02620	-.00861	-.00416	-.00114	.00085	-.00053	-.00069

ORIGINAL PAGE IS
OF POOR QUALITY

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 OIETISI O/ET (RGHT SRD SEPRTNG)

(RTQ021) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = .000 R-SRB = 3.000
 SRBPOS = .300 FT-JET = 1500.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 106/ 0 RN/L = 1.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CA	CY	CYN	CBL	ALPHA
4.500	-10.000	-.06187	.02244	.18662	.30869	-.09352	.03424	-.10972
4.500	-9.000	-.06374	.02461	.18418	.27444	-.08308	.03065	-.10537
4.500	-8.000	-.06574	.02668	.18179	.24018	-.07252	.02701	-.10139
4.500	-7.000	-.06837	.02913	.17337	.20700	-.06244	.02340	-.09733
4.500	-6.000	-.07008	.03111	.17770	.17423	-.05258	.01992	-.09362
4.500	-5.000	-.07097	.03187	.17592	.14201	-.04324	.01643	-.09149
4.500	-4.000	-.07228	.03237	.17314	.10965	-.03330	.01261	-.08985
4.500	-3.000	-.07393	.03333	.17136	.08022	-.02418	.00944	-.08799
4.500	-2.000	-.07156	.03147	.16862	.04958	-.01448	.00598	-.08748
4.500	-1.000	.00000	.00000	.00000	.00000	.00000	.00000	-.08640
4.500	.000	-.07114	.03198	.16825	-.00913	.00228	-.00052	-.08441
4.500	1.000	-.07295	.03419	.17079	-.03940	.01107	-.00396	-.08226
4.500	2.000	-.07291	.03458	.17252	-.06969	.02044	-.00777	-.08145
4.500	3.000	-.06466	.02967	.17167	-.10487	.03298	-.01165	-.08408
4.500	4.000	-.06450	.02839	.17382	-.13606	.04200	-.01522	-.08466
4.500	5.000	-.06594	.02838	.17689	-.16507	.04953	-.01857	-.08688
4.500	6.000	-.06096	.02408	.17759	-.20005	.06090	-.02259	-.09022
4.500	7.000	-.04816	.01400	.17774	-.24053	.07695	-.02735	-.09712
4.500	8.000	-.03340	.00151	.17860	-.28535	.09566	-.03253	-.10720
4.500	9.000	-.02456	-.00634	.18087	-.32568	.11062	-.03727	-.11451
4.500	10.000	-.01500	-.01529	.18344	-.36643	.12570	-.04235	-.12357
	GRADIENT	.00008	-.00006	.00170	-.03047	.00925	-.00346	.00065

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 OIETIS1 O/ET DATA (SRB SEPRTING)

(RTQ022) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = .000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 133/ 0 RN/L = 1.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.31276	.08455	.24229	-.00250	.00157	.00073	-.00179
4.500	-9.000	-.29993	.08085	.23684	-.00175	.00106	.00075	-.00137
4.500	-8.000	-.28630	.07684	.23033	-.00141	.00088	.00083	-.00126
4.500	-7.000	-.24148	.07220	.22421	-.00148	.00090	.00087	-.00116
4.500	-6.000	-.21587	.06688	.21804	-.00255	.00141	.00078	-.00107
4.500	-5.000	-.19980	.06068	.21102	-.00290	.00159	.00066	-.00102
4.500	-4.000	-.16453	.05476	.20436	-.00250	.00149	.00055	-.00118
4.500	-3.000	-.13958	.04915	.19838	-.00223	.00142	.00042	-.00126
4.500	-2.000	-.11518	.04380	.19268	-.00187	.00109	.00037	-.00082
4.500	-1.000	-.09057	.03850	.18763	-.00172	.00097	.00036	-.00063
4.500	-.000	-.06602	.03320	.18324	-.00176	.00093	.00024	-.00042
4.500	1.000	-.04155	.02773	.17974	-.00182	.00079	.00017	.00004
4.500	2.000	-.01714	.02201	.17657	-.00121	.00025	.00028	.00069
4.500	3.000	.00789	.01583	.17308	-.00089	-.00026	.00030	.00161
4.500	4.000	.03355	.00911	.16968	-.00131	-.00032	.00017	.00230
4.500	5.000	.05889	.00240	.16618	-.00187	-.00029	-.00002	.00293
4.500	6.000	.08288	-.00388	.16172	-.00284	-.00030	-.00025	.00414
4.500	7.000	.10893	-.01081	.15805	-.00296	-.00044	-.00024	.00468
4.500	8.000	.13572	-.01801	.15455	-.00296	-.00033	-.00024	.00446
4.500	9.000	.16273	-.02479	.15180	-.00354	-.00006	-.00018	.00452
4.500	10.000	.18876	-.03092	.14773	-.00334	-.00022	-.00023	.00473
	GRADIENT	.02476	-.00571	-.00435	.00014	-.00021	-.00005	.00042

AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRTING)

(RTQ023) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = .000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 134/ 0 RN/L = 1.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CA	CY	CYN	CBL	ALPHA
4.500	-10.000	-.07056	.02666	.19504	.28864	-.08145	.03469	-.11536
4.500	-9.000	-.07276	.02894	.19283	.25426	-.07110	.03071	-.11105
4.500	-8.000	-.07450	.03077	.19137	.22063	-.06107	.02671	-.10758
4.500	-7.000	-.07511	.03198	.18968	.18806	-.05157	.02279	-.10425
4.500	-6.000	-.07577	.03335	.18880	.15738	-.04296	.01900	-.10070
4.500	-5.000	-.07719	.03458	.18765	.12708	-.03488	.01540	-.09831
4.500	-4.000	-.07860	.03485	.18624	.09803	-.02738	.01202	-.09769
4.500	-3.000	-.08007	.03540	.18541	.07109	-.01977	.00911	-.09685
4.500	-2.000	-.08046	.03600	.18462	.04470	-.01256	.00593	-.09473
4.500	-1.000	-.08033	.03612	.18340	.01727	-.00475	.00263	-.09300
4.500	.000	-.07966	.03602	.18272	-.00987	.00287	-.00068	-.09134
4.500	1.000	-.07997	.03655	.18417	-.03750	.01062	-.00407	-.09007
4.500	2.000	-.07961	.03696	.18433	-.06452	.01772	-.00740	-.08830
4.500	3.000	-.07966	.03728	.18529	-.09315	.02499	-.01085	-.08729
4.500	4.000	-.07982	.03703	.18657	-.11852	.03038	-.01349	-.08772
4.500	5.000	-.07861	.03589	.18582	-.14664	.03747	-.01663	-.08758
4.500	6.000	-.07775	.03482	.18679	-.17721	.04575	-.02020	-.08844
4.500	7.000	-.07706	.03377	.18821	-.20923	.05495	-.02402	-.08974
4.500	8.000	-.07720	.03315	.18954	-.24265	.06480	-.02815	-.09088
4.500	9.000	-.07732	.03211	.19133	-.27700	.07533	-.03215	-.09306
4.500	10.000	-.07692	.03045	.19299	-.30998	.08506	-.03563	-.09603
	GRADIENT	-.00008	.00021	-.00007	-.02728	.00730	-.00323	.00125

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET151 O/ET DATA (SRB SEPRTING)

(RTQ024) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 340.000
 RN/L = .690 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 151/ 0 RN/L = .72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.470	-10.000	-.16991	.05330	.19842	.00341	-.00053	.00009	-.00125
4.470	-9.000	-.14157	.05853	.19249	.01242	.00030	-.00098	-.00632
4.470	-8.000	-.11618	.05349	.18254	.00459	-.00172	-.00065	-.00058
4.470	-7.000	-.08688	.04443	.17516	.00342	-.00190	-.00080	.00019
4.470	-6.000	-.05948	.03588	.16874	.00347	-.00215	-.00085	.00043
4.470	-5.000	-.03192	.02669	.16291	.00460	-.00205	-.00069	-.00018
4.470	-4.000	-.00670	.01823	.15700	.00485	-.00129	-.00054	-.00104
4.470	-3.000	.01877	.01074	.15227	.00394	-.00103	-.00041	-.00083
4.470	-2.000	.04421	.00389	.14809	.00568	-.00022	-.00093	-.00246
4.470	-1.000	.06647	-.00209	.14307	.00393	-.00039	-.00062	-.00143
4.470	-.000	.08769	-.00615	.13849	.00374	-.00053	-.00082	-.00117
4.470	1.000	.10800	-.00904	.13502	.00531	-.00171	-.00073	-.00073
4.470	2.000	.12482	-.00844	.13284	.00669	-.00494	-.00015	.00185
4.470	3.000	.14028	-.00614	.13091	.01033	-.00951	.00049	.00468
4.470	4.000	.15588	-.00482	.12840	.01144	-.01239	.00088	.00702
4.470	5.000	.17174	-.00540	.12556	.01019	-.01221	.00076	.00747
4.470	6.000	.18817	-.00773	.12210	.00510	-.00834	.00040	.00609
4.470	7.000	.20242	-.00838	.11911	-.00770	-.00034	-.00111	.00434
4.470	8.000	.21479	-.00615	.11773	-.01161	.00114	-.00130	.00477
4.470	9.000	.22464	-.00130	.11631	-.01316	.00132	-.00172	.00536
4.470	10.000	.23810	.00270	.11345	-.01459	.00143	-.00201	.00595
	GRADIENT	.02033	-.00304	-.00367	.00070	-.00119	.00016	.00088

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRTNG)

(RTQ025) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 750.000
 RN/L = .690 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 152/ 0 RN/L = .72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.470	-10.000	.04891	-.00173	.17234	.00525	-.00479	.00019	.00567
4.470	-9.000	.06822	-.00216	.16621	-.00078	-.00450	-.00056	.00795
4.470	-8.000	.08537	-.00368	.16128	-.00382	-.00414	-.00094	.00876
4.470	-7.000	.10025	-.00785	.15489	-.00685	-.00212	-.00161	.00789
4.470	-6.000	.12067	-.01337	.14887	-.00628	-.00132	-.00161	.00652
4.470	-5.000	.14203	-.01672	.14279	-.00390	-.00089	-.00173	.00464
4.470	-4.000	.16360	-.01835	.13645	.00032	-.00098	-.00156	.00241
4.470	-3.000	.18249	-.01734	.13093	.00211	-.00068	-.00148	.00094
4.470	-2.000	.20123	-.01586	.12491	.00288	-.00010	-.00125	-.00030
4.470	-1.000	.22349	-.01541	.11860	.00296	-.00020	-.00085	-.00053
4.470	-.000	.24097	-.01255	.11233	.00338	-.00155	-.00022	.00031
4.470	1.000	.25783	-.00924	.10824	.00834	-.00539	.00134	.00143
4.470	2.000	.27549	-.00665	.10765	.00932	-.00602	.00169	.00127
4.470	3.000	.29647	-.00597	.10690	.00736	-.00517	.00152	.00106
4.470	4.000	.31806	-.00617	.10524	.00501	-.00417	.00132	.00089
4.470	5.000	.34173	-.00761	.10329	.00267	-.00330	.00101	.00085
4.470	6.000	.36792	-.01073	.10123	.00190	-.00319	.00103	.00079
4.470	7.000	.39609	-.01459	.09962	-.00087	-.00296	.00096	.00158
4.470	8.000	.42437	-.01927	.09726	-.00472	-.00215	.00043	.00230
4.470	9.000	.45171	-.02342	.09517	-.00829	-.00081	-.00020	.00237
4.470	10.000	.47724	-.02603	.09165	-.01171	.00109	-.00103	.00181
	GRADIENT	.01946	.00139	-.00399	.00078	-.00050	.00038	-.00018

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRING)

(RTQ026) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 750.000
 RN/L = .690 BETA = .000
 TO-JET = 300.000 X = .000
 Y = .000 Z = .000

RUN NO. 19170 RN/L = .71 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	.06421	-.00496	.17257	-.00409	-.00356	.00016	.00007
4.500	-9.000	.08458	-.00539	.16703	-.00456	-.00396	-.00002	.00123
4.500	-8.000	.10001	-.00586	.16161	-.00693	-.00392	-.00039	.00284
4.500	-7.000	.11874	-.00975	.15592	-.00868	-.00303	-.00075	.00335
4.500	-6.000	.14066	-.01478	.14937	-.00893	-.00212	-.00089	.00315
4.500	-5.000	.16280	-.01835	.14296	-.00804	-.00165	-.00086	.00285
4.500	-4.000	.18401	-.02046	.13597	-.00650	-.00096	-.00101	.00204
4.500	-3.000	.20218	-.02022	.13009	-.00515	-.00064	-.00102	.00165
4.500	-2.000	.22224	-.01913	.12344	-.00462	.00036	-.00075	.00101
4.500	-1.000	.23871	-.01553	.11568	-.00337	.00129	-.00027	.00011
4.500	.000	.25377	-.01095	.11059	.00101	-.00107	.00068	.00090
4.500	1.000	.27400	-.00919	.10762	.00274	-.00200	.00077	.00154
4.500	2.000	.29552	-.00844	.10658	-.00258	.00019	-.00012	.00247
4.500	3.000	.31916	-.00911	.10477	-.00359	.00002	-.00001	.00367
4.500	4.000	.34276	-.01031	.10235	-.00479	-.00215	.00085	.00685
4.500	5.000	.36596	-.01129	.09947	-.00652	-.00377	.00145	.00974
4.500	6.000	.39065	-.01331	.09725	-.00997	-.00394	.00151	.01204
4.500	7.000	.41784	-.01638	.09711	-.01183	-.00396	.00132	.01345
4.500	8.000	.44627	-.02033	.09523	-.01337	-.00409	.00087	.01481
4.500	9.000	.47168	-.02317	.09258	-.01576	-.00289	.00022	.01528
4.500	10.000	.49548	-.02442	.08957	-.01612	-.00220	-.00019	.01532
	GRADIENT	.01985	.00124	-.00427	.00027	-.00015	.00022	.00058

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRING)

(RTQ027) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 340.000
 RN/L = 1.020 ALPHA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 150/ 0 RN/L = 1.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CA	CY	CYN	CBL	ALPHA
4.500	-10.000	.02118	-.00121	.15952	.19213	-.03513	.02034	-.04211
4.500	-9.000	.02603	.00219	.15581	.15956	-.03199	.01771	-.03300
4.500	-8.000	.02706	.00457	.15343	.13335	-.02703	.01533	-.02780
4.500	-7.000	.02747	.00638	.15171	.10788	-.02102	.01306	-.02384
4.500	-6.000	.02938	.00796	.15012	.08519	-.01505	.01078	-.01927
4.500	-5.000	.02889	.01097	.15016	.06305	-.01045	.00840	-.01488
4.500	-4.000	.02936	.01340	.14894	.04359	-.00733	.00590	-.01026
4.500	-3.000	.02629	.01729	.14465	.04107	-.01170	.00454	-.00520
4.500	-2.000	.02613	.02077	.14341	.03083	-.01130	.00232	.00030
4.500	-1.000	.02532	.02249	.14311	.02166	-.01344	.00203	.00304
4.500	.000	.02472	.02324	.14471	.01570	-.01367	.00207	.00422
4.500	1.000	.02912	.01865	.14878	.00327	-.01251	.00188	.00130
4.500	2.000	.02670	.01724	.15102	-.01691	-.00524	-.00156	-.00140
4.500	3.000	.02283	.01705	.15190	-.03668	.00137	-.00509	-.00316
4.500	4.000	.01948	.01608	.15212	-.06032	.00686	-.00796	-.00537
4.500	5.000	.01629	.01560	.15267	-.08330	.01116	-.01040	-.00699
4.500	6.000	.01442	.01459	.15276	-.10986	.01770	-.01297	-.00837
4.500	7.000	.01357	.01261	.15327	-.13663	.02392	-.01542	-.01032
4.500	8.000	.01291	.00971	.15460	-.16455	.02906	-.01759	-.01355
4.500	9.000	.01517	.00512	.15568	-.19091	.03242	-.01945	-.01699
4.500	10.000	.02113	.00018	.15596	-.21475	.03685	-.02147	-.01839
	GRADIENT	-.00098	.00020	.00062	-.01359	.00197	-.00169	.00055

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 OIETIS1 O/ET DATA (SRB SEPRING)

(RTQ028) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 750.000
 RN/L = 1.020 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 148/ 0 RN/L = 1.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.05610	.01130	.18722	-.00399	-.00038	.00004	.00652
4.500	-9.000	-.02755	.00534	.17871	-.00211	-.00081	-.00012	.00554
4.500	-8.000	-.00350	.00018	.17041	-.00274	-.00219	.00011	.00765
4.500	-7.000	.01742	-.00321	.16477	-.00212	-.00178	.00012	.00635
4.500	-6.000	.04000	-.00723	.15962	.00091	-.00273	.00015	.00531
4.500	-5.000	.06194	-.01153	.15436	.00068	-.00207	.00008	.00424
4.500	-4.000	.08345	-.01509	.14953	.00077	-.00108	-.00016	.00244
4.500	-3.000	.10111	-.01677	.14439	.00073	-.00050	-.00078	.00134
4.500	-2.000	.11999	-.01781	.13942	.00182	-.00077	-.00082	.00068
4.500	-1.000	.13963	-.01783	.13453	.00196	-.00120	-.00118	.00091
4.500	.000	.15700	-.01571	.13033	.00262	-.00168	-.00101	.00086
4.500	1.000	.17325	-.01221	.12663	.00678	-.00416	-.00040	.00124
4.500	2.000	.19103	-.00894	.12306	.00885	-.00494	.00044	.00064
4.500	3.000	.21091	-.00750	.11955	.00998	-.00441	.00074	-.00120
4.500	4.000	.23217	-.00766	.11467	.00862	-.00300	.00016	-.00256
4.500	5.000	.25445	-.00996	.11039	.00979	-.00355	.00000	-.00288
4.500	6.000	.27963	-.01474	.10653	.00978	-.00567	.00109	-.00014
4.500	7.000	.30418	-.01946	.10250	.00940	-.00715	.00187	.00194
4.500	8.000	.32417	-.02093	.09968	.00684	-.00593	.00170	.00167
4.500	9.000	.34144	-.02035	.09928	.00545	-.00507	.00135	.00109
4.500	10.000	.35847	-.01892	.09791	.00528	-.00544	.00114	.00143
	GRADIENT	.01875	.00081	-.00431	.00112	-.00035	.00008	-.00057

AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRING)

(RTQ029) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 750.000
 RN/L = 1.020 ALPHA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 149/ 0 RN/L = 1.04 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CA	CY	CYN	CBL	ALPHA
4.500	-10.000	.13988	-.01352	.13959	.14100	-.02675	.01738	.02060
4.500	-9.000	.14188	-.01284	.13804	.12558	-.02318	.01614	.02414
4.500	-8.000	.14201	-.01120	.13857	.11215	-.01903	.01528	.02714
4.500	-7.000	.14411	-.01201	.13822	.10462	-.01889	.01522	.02858
4.500	-6.000	.15296	-.01778	.13595	.09914	-.02044	.01559	.02866
4.500	-5.000	.15908	-.02225	.13133	.08329	-.01905	.01253	.02927
4.500	-4.000	.15554	-.01933	.12960	.05821	-.01369	.00831	.03218
4.500	-3.000	.15199	-.01802	.12845	.04315	-.01029	.00598	.03297
4.500	-2.000	.14930	-.01712	.12824	.02996	-.00662	.00349	.03354
4.500	-1.000	.14898	-.01675	.12783	.01151	-.00292	.00092	.03497
4.500	-.000	.15033	-.01689	.12771	-.00646	.00024	-.00225	.03670
4.500	1.000	.15253	-.01751	.12763	-.01766	.00342	-.00421	.03840
4.500	2.000	.15220	-.01748	.12847	-.02962	.00795	-.00619	.03908
4.500	3.000	.15273	-.01932	.12988	-.05281	.01330	-.00961	.03786
4.500	4.000	.15513	-.02027	.13156	-.07402	.01587	-.01299	.03877
4.500	5.000	.15235	-.01858	.13292	-.08483	.01463	-.01432	.03982
4.500	6.000	.14093	-.01244	.13419	-.09213	.01199	-.01436	.04102
4.500	7.000	.13643	-.01056	.13407	-.10261	.01232	-.01460	.04165
4.500	8.000	.13659	-.01134	.13317	-.11471	.01364	-.01540	.04211
4.500	9.000	.13816	-.01417	.13232	-.13478	.01649	-.01661	.04091
4.500	10.000	.13836	-.01422	.13209	-.15268	.01789	-.01749	.04207
GRADIENT		-.00022	.00008	.00018	-.01642	.00357	-.00265	.00098

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRTING)

(RTQ030) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.020 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 147/ 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	.13766	-.00247	.15332	.00183	-.00904	-.00024	.01509
4.500	-9.000	.15984	-.00424	.14641	-.00792	-.00761	-.00065	.01945
4.500	-8.000	.17914	-.00429	.14193	-.00711	-.00787	-.00020	.01902
4.500	-7.000	.20153	-.00593	.13700	-.00392	-.00581	-.00028	.01368
4.500	-6.000	.22393	-.00736	.13129	-.00336	-.00618	.00017	.01357
4.500	-5.000	.24780	-.00960	.12593	-.00867	-.00577	-.00018	.01634
4.500	-4.000	.27125	-.01178	.12065	-.01000	-.00443	-.00067	.01510
4.500	-3.000	.29062	-.01160	.11749	-.01005	-.00282	-.00123	.01258
4.500	-2.000	.31081	-.01287	.11470	-.01361	-.00319	-.00112	.01527
4.500	-1.000	.33079	-.01414	.11181	-.02199	-.00495	-.00074	.02324
4.500	-.000	.35325	-.01433	.11016	-.02546	-.00551	-.00054	.02613
4.500	1.000	.37608	-.01559	.10905	-.02598	-.00626	-.00024	.02725
4.500	2.000	.40016	-.01718	.10677	-.02483	-.00660	.00023	.02668
4.500	3.000	.42391	-.01898	.10492	-.03070	-.00758	.00066	.03175
4.500	4.000	.44804	-.02060	.10300	-.03761	-.00630	-.00006	.03437
4.500	5.000	.47078	-.02200	.10161	-.03040	-.00248	-.00095	.02369
4.500	6.000	.49441	-.02322	.09973	-.03095	.00042	-.00168	.01964
4.500	7.000	.51984	-.02413	.09740	-.03835	.00308	-.00273	.02065
4.500	8.000	.54361	-.02405	.09533	-.04388	.00577	-.00377	.02028
4.500	9.000	.56765	-.02454	.09401	-.04691	.00768	-.00469	.01934
4.500	10.000	.59372	-.02531	.09211	-.04799	.00841	-.00514	.01870
	GRADIENT	.02224	-.00118	-.00226	-.00280	-.00012	.00007	.00160

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 OF POOR QUALITY

AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)

(RTQ031) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.020 BETA = .000
 TO-JET = 300.000 X = .000
 Y = .000 Z = .000

RUN NO. 190/ 0 RN/L = 1.07 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	.14248	-.00294	.15767	-.00169	-.00811	.00056	.00786
4.500	-9.000	.16256	-.00454	.15109	-.00735	-.00865	.00039	.01319
4.500	-8.000	.18184	-.00603	.14517	-.00805	-.00820	.00049	.01364
4.500	-7.000	.20597	-.00998	.13802	-.00444	-.00561	.00002	.00793
4.500	-6.000	.22976	-.01314	.13165	-.00275	-.00394	-.00026	.00491
4.500	-5.000	.25582	-.01592	.12508	-.00362	-.00403	-.00045	.00624
4.500	-4.000	.27103	-.01104	.12028	.00326	-.00714	.00098	.00651
4.500	-3.000	.28696	-.01273	.11815	.00453	-.00552	.00109	.00379
4.500	-2.000	.30916	-.01249	.11786	.00545	-.00585	.00193	.00420
4.500	-1.000	.33263	-.01291	.11562	.00565	-.00459	.00176	.00280
4.500	-.000	.35583	-.01280	.11341	.01080	-.00184	.00110	-.00428
4.500	1.000	.37688	-.01346	.11092	.01152	-.00164	.00071	-.00451
4.500	2.000	.39554	-.01314	.10916	.00629	-.00267	.00085	.00126
4.500	3.000	.41471	-.01314	.10682	-.00027	-.00395	.00101	.00834
4.500	4.000	.43874	-.01524	.10462	-.01304	-.00577	.00148	.02055
4.500	5.000	.46177	-.01682	.10308	-.01997	-.00427	.00086	.02380
4.500	6.000	.48491	-.01843	.10172	-.02382	-.00235	-.00007	.02425
4.500	7.000	.50958	-.02019	.10006	-.02603	-.00025	-.00090	.02328
4.500	8.000	.53531	-.02239	.09791	-.02735	.00150	-.00165	.02220
4.500	9.000	.56285	-.02472	.09593	-.02924	.00307	-.00233	.02178
4.500	10.000	.59009	-.02668	.09333	-.02884	.00457	-.00296	.01988
	GRADIENT	.02092	-.00022	-.00208	-.00140	.00017	.00005	.00131

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)

(RTQ032) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 750.000
 RN/L = 1.400 BETA = .000
 TO-JET = 1.00.000 X = .000
 Y = .000 Z = .000

RUN NO. 146/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.14960	.05315	.19022	.00151	-.00096	.00055	.00353
4.500	-9.000	-.12006	.04426	.18320	.00196	-.00250	.00067	.00580
4.500	-8.000	-.09406	.03885	.17651	.00047	-.00294	.00046	.00780
4.500	-7.000	-.06956	.03287	.17087	-.00017	-.00202	-.00019	.00633
4.500	-6.000	-.04146	.02379	.16349	.00000	-.00118	-.00030	.00424
4.500	-5.000	-.01410	.01565	.15700	.00332	-.00116	-.00009	.00075
4.500	-4.000	.01451	.00706	.15147	.00360	-.00068	-.00027	-.00076
4.500	-3.000	.04129	.00008	.14717	.00412	-.00037	-.00055	-.00215
4.500	-2.000	.06719	-.00582	.14314	.00482	-.00040	-.00067	-.00306
4.500	-1.000	.09037	-.01038	.13859	.00494	-.00054	-.00095	-.00319
4.500	.000	.11361	-.01362	.13440	.00262	.00052	-.00137	-.00334
4.500	1.000	.13365	-.01475	.13073	-.00012	.00144	-.00194	-.00281
4.500	2.000	.15124	-.01380	.12735	-.00050	-.00001	-.00194	.00013
4.500	3.000	.16390	-.01065	.12633	.00323	-.00465	-.00208	.00542
4.500	4.000	.17436	-.00754	.12511	.00823	-.01074	-.00108	.01231
4.500	5.000	.18971	-.00851	.12223	.00762	-.01033	-.00043	.01179
4.500	6.000	.20678	-.01199	.11965	.00554	-.00835	.00021	.00957
4.500	7.000	.22519	-.01365	.11696	.00415	-.00685	.00086	.00762
4.500	8.000	.22969	-.00656	.11420	-.00076	-.00383	.00036	.00610
4.500	9.000	.24033	-.00129	.11234	-.00534	-.00183	-.00023	.00625
4.500	10.000	.25376	.00312	.11040	-.00787	-.00137	-.00053	.00744
	GRADIENT	.02034	-.00211	-.00347	.00020	-.00087	-.00012	.00125

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRNG)

(RTQ033) (23 OCT 75)

REFERENCE DATA

SREF * 2690.0000 SQ.FT. XMRP * 1052.0000 IN.XT
 LREF * 1290.3000 IN. YMRP * .0000 IN.YT
 BREF * 1290.3000 IN. ZMRP * 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 750.000
 RN/L = 1.400 ALPHA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 145/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CA	CY	CYN	CBL	ALPHA
4.500	-10.000	.09308	-.01316	.14534	.17499	-.03234	.01839	-.00827
4.500	-9.000	.08987	-.01049	.14387	.15576	-.02892	.01657	-.00576
4.500	-8.000	.08584	-.00724	.14265	.13385	-.02394	.01412	-.00139
4.500	-7.000	.08638	-.00522	.14171	.11206	-.01886	.01169	.00383
4.500	-6.000	.09030	-.00394	.13979	.09073	-.01417	.00948	.01099
4.500	-5.000	.09499	-.00427	.13541	.07593	-.01314	.00790	.01701
4.500	-4.000	.09705	-.00491	.13243	.06731	-.01380	.00735	.01481
4.500	-3.000	.10198	-.00891	.13056	.05087	-.01225	.00630	.01903
4.500	-2.000	.10816	-.01365	.13105	.02634	-.00724	.00390	.01683
4.500	-1.000	.10798	-.01312	.13209	.01206	-.00268	.00108	.01858
4.500	.000	.10544	-.01289	.13271	-.00315	.00120	-.00148	.01768
4.500	1.000	.10387	-.01167	.13284	-.02585	.00436	-.00376	.01939
4.500	2.000	.09652	-.00449	.13320	-.04171	.00554	-.00502	.02610
4.500	3.000	.08998	.00126	.13631	-.05162	.00523	-.00601	.03010
4.500	4.000	.08333	.00412	.14011	-.06372	.00527	-.00734	.02896
4.500	5.000	.07625	.00443	.14209	-.08135	.00767	-.00930	.02385
4.500	6.000	.07244	.00174	.14096	-.10285	.01262	-.01149	.01765
4.500	7.000	.07028	-.00081	.14014	-.12445	.01804	-.01396	.01295
4.500	8.000	.07428	-.00481	.13996	-.14368	.02215	-.01580	.01076
4.500	9.000	.08101	-.00818	.13974	-.16373	.02537	-.01748	.01191
4.500	10.000	.08919	-.01088	.13936	-.18218	.02608	-.01876	.01542
	GRADIENT	-.00193	.00118	.00079	-.01629	.00241	-.00186	.00112

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 OIETISI O/ET DATA (SRB SEPRING)

(RTQ034) (23 OCT 75)

REFERENCE DATA

SREF * 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF * 1290.3000 IN. YMRP = .0000 IN.YT
 BREF * 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.400 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 143/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CSL	BETA
4.500	-10.000	.04629	-.00413	.17152	.00204	-.00697	.00000	.05305
4.500	-9.000	.06452	-.00504	.16571	.00184	-.00733	-.00006	.04997
4.500	-8.000	.08155	-.00603	.16074	.00224	-.00724	-.00012	.04544
4.500	-7.000	.10301	-.01015	.15367	.00366	-.00744	.00003	.04046
4.500	-6.000	.12019	-.01571	.14601	.00497	-.00631	-.00045	.03295
4.500	-5.000	.14111	-.01771	.13904	.00325	-.00460	-.00050	.02721
4.500	-4.000	.16243	-.01849	.13329	.00169	-.00513	-.00012	.02572
4.500	-3.000	.18089	-.01662	.12904	.00123	-.00593	.00014	.02375
4.500	-2.000	.20043	-.01479	.12501	.00119	-.00600	.00029	.01992
4.500	-1.000	.22081	-.01354	.12127	.00123	-.00554	.00025	.01496
4.500	-.000	.24313	-.01334	.11714	.00441	-.00385	-.00004	.00460
4.500	1.000	.26716	-.01351	.11279	.00928	-.00295	.00011	-.00604
4.500	2.000	.28974	-.01286	.10785	.01291	-.00415	.00070	-.01093
4.500	3.000	.30752	-.00980	.10431	.01065	-.00184	-.00007	-.01733
4.500	4.000	.32539	-.00776	.10362	.00776	-.00165	.00013	-.01896
4.500	5.000	.34590	-.00660	.10334	.00887	-.00371	.00133	-.02002
4.500	6.000	.36904	-.01085	.10212	.00852	-.00577	.00240	-.01970
4.500	7.000	.39442	-.01452	.09986	.00355	-.00519	.00243	-.02015
4.500	8.000	.42153	-.01632	.09741	-.00381	-.00239	.00144	-.02268
4.500	9.000	.44754	-.02096	.09453	-.01204	.00102	-.00007	-.02556
4.500	10.000	.47260	-.02225	.09132	-.01473	.00243	-.00110	-.02976
	GRADIENT	.02073	.00103	-.00377	.00102	.00034	.00009	-.00564

ORIGINAL PAGE IS
 OF POOR QUALITY

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)

(RTQ035) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.400 BETA = .000
 TO-JET = 300.000 X = .000
 Y = .000 Z = .000

RUN NO. 188/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	.05670	-.00624	.17751	.00410	-.00505	.00068	.00241
4.500	-9.000	.07312	-.00671	.17068	.00085	-.00534	.00030	.00646
4.500	-8.000	.09091	-.00877	.16518	.00189	-.00549	.00012	.00619
4.500	-7.000	.10611	-.01088	.15790	.00608	-.00579	-.00026	.00320
4.500	-6.000	.12672	-.01487	.15067	.00434	-.00455	-.00039	.00284
4.500	-5.000	.14842	-.01728	.14360	.00312	-.00227	-.00067	-.00004
4.500	-4.000	.16886	-.01790	.13784	.00293	-.00141	-.00095	-.00112
4.500	-3.000	.18698	-.01557	.13333	.00426	-.00144	-.00071	-.00190
4.500	-2.000	.20582	-.01301	.12937	.00384	-.00045	-.00029	-.00302
4.500	-1.000	.22557	-.01118	.12477	.00333	-.00019	.00004	-.00263
4.500	-.000	.24753	-.01120	.11980	.00200	.00040	.00008	-.00210
4.500	1.000	.26959	-.01151	.11484	.00161	-.00029	.00021	.00007
4.500	2.000	.29105	-.01080	.11163	.00158	-.00279	.00073	.00543
4.500	3.000	.31046	-.00907	.10778	.00130	-.00469	.00137	.00985
4.500	4.000	.32774	-.00641	.10522	.00038	-.00503	.00145	.01181
4.500	5.000	.34501	-.00569	.10506	.00084	-.00541	.00201	.01250
4.500	6.000	.36898	-.00883	.10382	.00084	-.00612	.00237	.01429
4.500	7.000	.39710	-.01506	.10227	-.00142	-.00600	.00210	.01655
4.500	8.000	.42573	-.01996	.10106	-.00409	-.00527	.00146	.01803
4.500	9.000	.45208	-.02340	.09854	-.00588	-.00387	.00105	.01737
4.500	10.000	.47573	-.02432	.09515	-.00842	-.00255	.00041	.01757
	GRADIENT	.02008	.00116	-.00405	-.00033	-.00041	.00029	.00154

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRTNG)

(RTQ036) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.400 ALPHA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 144/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CA	CY	CYN	CBL	ALPHA
4.500	-10.000	.26551	-.03718	.12128	.10394	-.02141	.02036	.10479
4.500	-9.000	.27283	-.03847	.11891	.09854	-.02661	.02165	.11067
4.500	-8.000	.27066	-.03293	.11784	.09203	-.03064	.02132	.11965
4.500	-7.000	.26379	-.02598	.11854	.08521	-.03657	.02061	.12620
4.500	-6.000	.25713	-.02088	.11727	.07095	-.03995	.01890	.13054
4.500	-5.000	.24844	-.01697	.11414	.05230	-.04097	.01574	.13194
4.500	-4.000	.23972	-.01209	.11426	.02906	-.03596	.01182	.13378
4.500	-3.000	.23940	-.01248	.11493	.01185	-.03002	.00841	.13375
4.500	-2.000	.23566	-.01303	.11512	.01790	-.01980	.00520	.13075
4.500	-1.000	.23383	-.01268	.11530	.00824	-.01078	.00249	.13086
4.500	-.000	.23262	-.01349	.11523	-.00313	.00099	-.00104	.12960
4.500	1.000	.23440	-.01510	.11487	-.01611	.01141	-.00404	.12960
4.500	2.000	.24055	-.01592	.11243	-.02200	.01977	-.00688	.13544
4.500	3.000	.24920	-.01711	.11012	-.03300	.02718	-.01016	.14268
4.500	4.000	.25518	-.01789	.10979	-.05025	.03181	-.01355	.14754
4.500	5.000	.26289	-.02284	.10990	-.06880	.03202	-.01623	.14682
4.500	6.000	.26948	-.02864	.11029	-.08133	.02806	-.01787	.14349
4.500	7.000	.26738	-.02996	.11238	-.08781	.02079	-.01820	.13975
4.500	8.000	.26411	-.03191	.11474	-.09747	.01610	-.01826	.13399
4.500	9.000	.26279	-.03556	.11607	-.11322	.01513	-.01891	.12731
4.500	10.000	.25876	-.03889	.11741	-.12846	.01359	-.01880	.12223
	GRADIENT	.00158	-.00068	-.00054	-.01056	.00826	-.00316	.00149

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TABULATED SOURCE DATA, AEDC VA 422, 1A61.

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AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRING)

(RTQ037) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 2.000 R-SRB = 2.000
 SRBPOS = 2.200 PT-JET = 1500.000
 RN/L = 2.100 BETA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 163/ 0 RN/L = 2.14 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.02412	.02995	.20464	-.02872	.01399	-.00437	.01167
4.500	-9.000	.01224	.01626	.19745	-.01262	.01380	-.00409	-.01163
4.500	-8.000	.03221	.00183	.18491	-.00103	.00843	-.00196	-.01365
4.500	-7.000	.03844	-.01194	.17059	-.00441	.01454	-.00041	-.02808
4.500	-6.000	.08259	-.02040	.16570	-.00951	.00902	-.00239	-.00574
4.500	-5.000	.12179	-.03704	.15686	-.00395	.00455	-.00283	-.00171
4.500	-4.000	.14956	-.05189	.14827	-.00383	.00348	-.00269	.00002
4.500	-3.000	.15069	-.05860	.14527	-.00472	.00176	-.00096	.00506
4.500	-2.000	.16076	-.06209	.14375	-.01144	.00128	-.00115	.01491
4.500	-1.000	.19070	-.07431	.13693	-.00169	.00122	-.00150	-.00003
4.500	-.000	.22334	-.08585	.13245	.00188	.00139	-.00084	-.00679
4.500	1.000	.25628	-.09702	.13039	.00153	.00165	-.00096	-.00821
4.500	2.000	.28584	-.10723	.12963	.00532	.00109	-.00101	-.01310
4.500	3.000	.31359	-.11814	.12950	.00571	.00143	-.00138	-.01585
4.500	4.000	.33751	-.12805	.12941	.00540	.00284	-.00169	-.02075
4.500	5.000	.35823	-.13504	.12862	.00752	.00215	-.00179	-.02291
4.500	6.000	.37925	-.13981	.12818	.01028	.00060	-.00161	-.02338
4.500	7.000	.39961	-.14283	.12818	.01321	-.00054	-.00132	-.02530
4.500	8.000	.41521	-.14155	.12815	.01295	-.00133	-.00147	-.02368
4.500	9.000	.42827	-.13747	.12665	.01363	-.00227	-.00204	-.02290
4.500	10.000	.43989	-.13150	.12332	.01055	-.00238	-.00227	-.01925
4.500	GRADIENT	.02489	-.00987	-.00272	.00148	-.00014	.00008	-.00287

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 OIETIS1 O/ET DATA (SRB SEPRING)

(RTQ038) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 L REF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 1500.000
 RN/L = 2.100 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 178/ 0 RN/L = 2.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.25865	.06881	.18067	-.00531	.00237	-.00049	.03183
4.500	-9.000	-.24127	.06631	.17819	-.00664	.00325	-.00050	.02800
4.500	-8.000	-.22389	.06339	.17403	-.00640	.00322	-.00033	.02458
4.500	-7.000	-.21651	.05999	.17039	-.00191	.00064	-.00025	.02251
4.500	-6.000	-.19302	.05448	.16514	-.00450	.00197	-.00021	.01913
4.500	-5.000	-.16970	.04919	.16025	-.00590	.00286	-.00027	.01534
4.500	-4.000	-.14557	.04291	.15538	-.00559	.00271	-.00030	.01215
4.500	-3.000	-.12166	.03700	.15191	-.00408	.00182	-.00009	.00944
4.500	-2.000	-.07950	.03253	.15339	-.00248	.00088	.00021	.00675
4.500	-1.000	-.07598	.02709	.15333	-.00258	.00092	.00010	.00356
4.500	-.000	-.05253	.02090	.15043	-.00294	.00127	-.00008	-.00015
4.500	1.000	-.03049	.01565	.14821	-.00301	.00133	-.00014	-.00341
4.500	2.000	-.00846	.01026	.14601	-.00290	.00139	-.00021	-.00695
4.500	3.000	.01407	.00405	.14440	-.00299	.00140	-.00036	-.01006
4.500	4.000	.03884	-.00421	.14135	-.00275	.00109	-.00044	-.01272
4.500	5.000	.05402	-.01200	.13769	-.00317	.00101	-.00074	-.01510
4.500	6.000	.08673	-.01983	.13217	-.00430	.00131	-.00117	-.01759
4.500	7.000	.11228	-.02937	.12715	-.00508	.00128	-.00187	-.01961
4.500	8.000	.14790	-.04690	.12169	-.00576	.00122	-.00229	-.02174
4.500	9.000	.21047	-.09531	.11351	-.00683	.00169	-.00298	-.02499
4.500	10.000	.29312	-.13933	.10330	-.00810	.00256	-.00276	-.02921
	GRADIENT	.02310	-.00594	-.00192	.00025	-.00014	-.00004	-.00313

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 OF POOR QUALITY

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRTING)

(RTQ039) (23 OCT 75)

REFERENCE DATA

SREF * 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF * 1290.3000 IN. YMRP = .0000 IN.YT
 BREF * 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 340.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 141/ 0 RN/L = 1.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CSL	BETA
4.500	-10.000	-.26984	.10361	.22766	-.00367	-.00104	.00006	-.03649
4.500	-9.000	-.24261	.09511	.21847	-.00253	-.00003	-.00002	-.03594
4.500	-8.000	-.21447	.08655	.20903	-.00099	.00016	.00001	-.03387
4.500	-7.000	-.18564	.07749	.20027	.00028	-.00047	.00006	-.02953
4.500	-6.000	-.15728	.06906	.19144	.00084	-.00188	.00013	-.02244
4.500	-5.000	-.12934	.06116	.18378	.00268	-.00373	.00025	-.01579
4.500	-4.000	-.10345	.05410	.17595	.00118	-.00369	.00020	-.00977
4.500	-3.000	-.07657	.04645	.16832	-.00045	-.00358	.00010	-.00379
4.500	-2.000	-.04851	.03812	.16071	-.00259	-.00300	.00005	.00168
4.500	-1.000	-.01985	.02991	.15413	-.00472	-.00204	.00007	.00622
4.500	.000	.00778	.02283	.14937	-.00606	-.00141	.00010	.01063
4.500	1.000	.03179	.01747	.14465	-.00578	-.00111	.00011	.01391
4.500	2.000	.05610	.01259	.14033	-.00510	-.00113	.00008	.01751
4.500	3.000	.08024	.00794	.13595	-.00520	-.00108	-.00009	.02185
4.500	4.000	.10421	.00321	.13198	-.00633	-.00124	-.00025	.02790
4.500	5.000	.12753	-.00158	.12856	-.00791	-.00099	-.00033	.03350
4.500	6.000	.14946	-.00594	.12596	-.00797	-.00143	-.00030	.03891
4.500	7.000	.16932	-.00918	.12335	-.00677	-.00210	-.00023	.04343
4.500	8.000	.18712	-.01052	.12047	-.00475	-.00237	-.00028	.04602
4.500	9.000	.20599	-.01261	.11811	-.00394	-.00149	-.00058	.04726
4.500	10.000	.22719	-.01619	.11532	-.00331	-.00111	-.00063	.04989
	GRADIENT	.02588	-.00633	-.00545	-.00094	.00032	-.00005	.00467

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRING)

(RTQ040) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 750.000
 RN/L = 1.750 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 140/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CSL	BETA
4.500	-10.000	-.19943	.08061	.20238	-.00167	-.00094	-.00019	.00374
4.500	-9.000	-.16677	.07040	.19579	.00096	-.00350	.00021	.00689
4.500	-8.000	-.13412	.05980	.18908	.00170	-.00371	.00030	.00661
4.500	-7.000	-.10299	.05061	.17973	.00372	-.00511	.00034	.00771
4.500	-6.000	-.07500	.04250	.17171	.00447	-.00557	.00052	.00801
4.500	-5.000	-.04881	.03539	.16375	.00414	-.00537	.00072	.00800
4.500	-4.000	-.02485	.02549	.15687	.00237	-.00462	.00070	.00833
4.500	-3.000	-.00294	.02504	.15195	.00119	-.00434	.00070	.00912
4.500	-2.000	.01970	.02032	.14675	.00127	-.00512	.00089	.01100
4.500	-1.000	.04381	.01419	.14166	.00051	-.00543	.00107	.01271
4.500	.000	.07150	.00605	.13770	.00204	-.00624	.00173	.01291
4.500	1.000	.09867	-.00158	.13628	.00486	-.00653	.00194	.01034
4.500	2.000	.12164	-.00695	.13472	.00821	-.00863	.00153	.01154
4.500	3.000	.14188	-.01081	.13251	.01260	-.01167	.00134	.01380
4.500	4.000	.16296	-.01574	.12888	.01221	-.01193	.00120	.01495
4.500	5.000	.18203	-.02025	.12331	.00770	-.00900	.00084	.01318
4.500	6.000	.19704	-.02037	.11990	.00363	-.00646	.00066	.01184
4.500	7.000	.21018	-.01788	.11809	-.00070	-.00397	.00037	.01099
4.500	8.000	.22112	-.01271	.11683	-.00322	-.00265	.00021	.01081
4.500	9.000	.23343	-.00808	.11532	-.00436	-.00225	.00003	.01125
4.500	10.000	.24724	-.00509	.11319	-.00459	-.00266	.00007	.01254
4.500	GRADIENT	.02362	-.00579	-.00365	.00100	-.00070	.00006	.00059

AEDC VA422 1A61 01ET151 O/ET DATA (SRB SEPRTNG)

(RTQ041) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = 3000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 750.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 139/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CA	CY	CYN	CBL	ALPHA
4.500	-10.000	.06907	-.00747	.15388	.18617	-.03096	.01919	-.02109
4.500	-9.000	.06849	-.00467	.15074	.16395	-.02884	.01719	-.01385
4.500	-8.000	.06690	-.00111	.14908	.13927	-.02402	.01488	-.00674
4.500	-7.000	.06525	.00170	.14804	.11248	-.01757	.01231	-.00152
4.500	-6.000	.06485	.00237	.14631	.08883	-.01255	.00982	.00090
4.500	-5.000	.06580	.00276	.14277	.06099	-.00927	.00751	.00498
4.500	-4.000	.06745	.00398	.13864	.05317	-.00737	.00544	.01176
4.500	-3.000	.06493	.00679	.13578	.04097	-.00679	.00393	.01698
4.500	-2.000	.06290	.00851	.13637	.03264	-.00593	.00203	.01881
4.500	-1.000	.05992	.00986	.13633	.01156	-.00475	.00095	.01918
4.500	-.000	.06074	.00958	.13700	-.00565	-.00543	.00142	.01983
4.500	1.000	.06259	.01046	.14169	-.01477	-.00282	.00009	.02214
4.500	2.000	.05831	.01198	.14600	-.02095	-.00358	-.00152	.01959
4.500	3.000	.05192	.01353	.14996	-.03121	-.00312	-.00325	.01530
4.500	4.000	.04739	.01329	.15142	-.05467	.00077	-.00580	.00995
4.500	5.000	.04623	.01186	.15049	-.07856	.00666	-.00871	.00693
4.500	6.000	.04632	.00958	.14917	-.10354	.01276	-.01130	.00362
4.500	7.000	.04697	.00738	.14893	-.12786	.01781	-.01357	.00057
4.500	8.000	.04989	.00418	.14849	-.15173	.02235	-.01556	-.00211
4.500	9.000	.05365	.00128	.14931	-.17393	.02541	-.01741	-.00389
4.500	10.000	.05811	-.00241	.14950	-.19523	.02743	-.01890	-.00628
	GRADIENT	-.00203	.00101	.00143	-.01389	.00118	-.00141	.00002

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRTNG)

(RTQ042) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 136/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.00303	-.00346	.18221	.00650	-.00443	.00059	.00446
4.500	-9.000	.01696	-.00450	.17616	.00899	-.00650	.00109	.00647
4.500	-8.000	.03595	-.00681	.17052	.01007	-.00652	.00140	.00516
4.500	-7.000	.05607	-.01081	.16334	.00990	-.00613	.00138	.00434
4.500	-6.000	.07634	-.01385	.15699	.00769	-.00409	.00075	.00190
4.500	-5.000	.09575	-.01623	.15052	.00639	-.00234	-.00009	-.00090
4.500	-4.000	.11414	-.01720	.14456	.00629	-.00238	-.00012	-.00078
4.500	-3.000	.13256	-.01709	.13918	.00720	-.00342	.00023	.00057
4.500	-2.000	.15068	-.01569	.13462	.00803	-.00414	.00068	.00128
4.500	-1.000	.16745	-.01323	.13074	.00839	-.00428	.00045	.00111
4.500	-.000	.18539	-.01014	.12718	.01087	-.00359	.00004	-.00353
4.500	1.000	.20273	-.00658	.12323	.01213	-.00150	-.00051	-.01015
4.500	2.000	.22290	-.00479	.11847	.01177	.00014	-.00089	-.01377
4.500	3.000	.24395	-.00434	.11332	.01078	-.00039	-.00075	-.01138
4.500	4.000	.26603	-.00512	.10902	.01041	-.00126	-.00035	-.00890
4.500	5.000	.28996	-.00750	.10529	.00928	-.00156	.00016	-.00692
4.500	6.000	.31395	-.01013	.10185	.00932	-.00279	.00103	-.00406
4.500	7.000	.33677	-.01249	.09922	.00852	-.00353	.00160	-.00143
4.500	8.000	.35980	-.01564	.09767	.00837	-.00401	.00168	-.00020
4.500	9.000	.38388	-.01914	.09611	.00824	-.00402	.00166	.00221
4.500	10.000	.40610	-.02044	.09496	.00534	-.00369	.00102	.00236
4.500	GRADIENT	.01902	.00144	-.00442	.00048	.00026	-.00006	-.00127

ORIGINAL PAGE IS
 OF POOR QUALITY

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRTRNG)

(RTQ043) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 153/ 0 RN/L = 1.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.00393	-.00360	.18067	.00493	-.00342	.00031	.00559
4.500	-9.000	.01584	-.00452	.17453	.00759	-.00581	.00063	.00803
4.500	-8.000	.03461	-.00697	.16909	.00870	-.00597	.00110	.00683
4.500	-7.000	.05535	-.01103	.16207	.00804	-.00532	.00105	.00578
4.500	-6.000	.07505	-.01391	.15581	.00612	-.00354	.00051	.00345
4.500	-5.000	.09476	-.01625	.14926	.00489	-.00177	-.00030	.00032
4.500	-4.000	.11303	-.01744	.14350	.00485	-.00192	-.00037	.00048
4.500	-3.000	.13155	-.01743	.13830	.00517	-.00282	-.00006	.00203
4.500	-2.000	.14962	-.01622	.13342	.00602	-.00319	.00017	.00169
4.500	-1.000	.16711	-.01377	.12936	.00695	-.00351	-.00003	.00115
4.500	.000	.18483	-.01053	.12595	.00962	-.00312	-.00042	-.00322
4.500	1.000	.20184	-.00678	.12173	.01031	-.00070	-.00083	-.01018
4.500	2.000	.22195	-.00486	.11686	.01007	.00058	-.00113	-.01326
4.500	3.000	.24262	-.00434	.11200	.00942	.00026	-.00106	-.01192
4.500	4.000	.26504	-.00544	.10784	.00772	-.00065	-.00058	-.00792
4.500	5.000	.28816	-.00759	.10431	.00820	-.00092	-.00022	-.00807
4.500	6.000	.31187	-.01029	.10044	.00769	-.00205	.00075	-.00498
4.500	7.000	.33562	-.01297	.09776	.00677	-.00269	.00110	-.00259
4.500	8.000	.35823	-.01604	.09625	.00671	-.00364	.00144	-.00048
4.500	9.000	.38154	-.01889	.09484	.00588	-.00355	.00120	.00001
4.500	10.000	.40438	-.02031	.09386	.00252	-.00283	.00074	.00194
	GRADIENT	.01898	.00146	-.00443	.00047	.00026	-.00006	-.00144

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRTNG)

(RT0044) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 300.000 X = .000
 Y = .000 Z = .000

RUN NO. 189/ 0 RN/L = 1.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	.00558	-.00357	.18357	-.00123	-.00201	.00051	.00254
4.500	-9.000	.02609	-.00538	.17815	.00456	-.00458	.00116	.00242
4.500	-8.000	.04463	-.00741	.17178	.00575	-.00551	.00165	.00368
4.500	-7.000	.06421	-.01085	.16589	.00613	-.00523	.00141	.00298
4.500	-6.000	.08612	-.01569	.15875	.00350	-.00288	.00059	.00079
4.500	-5.000	.10448	-.01818	.15208	.00053	-.00018	-.00034	-.00186
4.500	-4.000	.12352	-.01919	.14572	.00192	-.00006	-.00074	-.00338
4.500	-3.000	.14215	-.01882	.14024	.00402	-.00047	-.00045	-.00441
4.500	-2.000	.15939	-.01686	.13570	.00566	-.00115	-.00004	-.00426
4.500	-1.000	.17577	-.01377	.13156	.00412	-.00053	-.00012	-.00351
4.500	.000	.19015	-.00913	.12847	.00263	-.00058	-.00026	-.00118
4.500	1.000	.20773	-.00617	.12458	.00110	-.00042	-.00042	.00067
4.500	2.000	.22958	-.00538	.12069	.00043	-.00139	-.00009	.00427
4.500	3.000	.25103	-.00508	.11519	.00178	-.00265	.00049	.00618
4.500	4.000	.27322	-.00633	.10936	.00336	-.00312	.00083	.00590
4.500	5.000	.29659	-.00934	.10456	.00536	-.00379	.00105	.00559
4.500	6.000	.32014	-.01262	.10107	.00624	-.00395	.00132	.00535
4.500	7.000	.34185	-.01462	.09943	.00490	-.00436	.00153	.00835
4.500	8.000	.36527	-.01795	.09898	.00483	-.00508	.00192	.01057
4.500	9.000	.38943	-.02108	.09725	.00397	-.00562	.00207	.01329
4.500	10.000	.41186	-.02201	.09543	.00199	-.00471	.00125	.01378
	GRADIENT	.01871	.00152	-.00450	.00009	-.00034	.00014	.00116

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

PAGE 110

AEDC VA422 1A61 01ET151 O/ET DATA (SRB SEPRING)

(RTQ045) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 135/ 0 RN/L = 1.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CA	CY	CYN	CEL	ALPHA
4.500	-10.000	.18150	-.01308	.13638	.12597	-.01949	.01765	.08588
4.500	-9.000	.18212	-.01511	.13273	.11100	-.01915	.01696	.08526
4.500	-8.000	.18883	-.02102	.12878	.10087	-.02061	.01649	.08301
4.500	-7.000	.19953	-.02771	.12642	.09397	-.02220	.01640	.08257
4.500	-6.000	.20529	-.02940	.12483	.09030	-.02719	.01693	.08701
4.500	-5.000	.20181	-.02596	.12295	.08041	-.03159	.01628	.09255
4.500	-4.000	.19513	-.02104	.12258	.05562	-.02857	.01347	.09702
4.500	-3.000	.18608	-.01486	.12276	.03376	-.02059	.00882	.10157
4.500	-2.000	.17972	-.01157	.12453	.02203	-.01290	.00544	.10220
4.500	-1.000	.17808	-.01098	.12559	.01466	-.00707	.00224	.10261
4.500	-.000	.17825	-.01173	.12538	.00345	-.00156	-.00063	.10253
4.500	1.000	.17958	-.01319	.12505	-.01274	.00502	-.00357	.10235
4.500	2.000	.18309	-.01545	.12437	-.03060	.01127	-.00673	.10290
4.500	3.000	.19189	-.02063	.12344	-.05147	.01802	-.01068	.10300
4.500	4.000	.20392	-.02559	.12118	-.06399	.01977	-.01316	.10744
4.500	5.000	.20722	-.02644	.12185	-.06810	.01692	-.01390	.11005
4.500	6.000	.20332	-.02651	.12320	-.07888	.01442	-.01422	.10549
4.500	7.000	.19701	-.02575	.12474	-.08998	.01193	-.01387	.10193
4.500	8.000	.18685	-.02195	.12684	-.10400	.01011	-.01383	.09955
4.500	9.000	.18022	-.01805	.12904	-.12159	.00968	-.01427	.10089
4.500	10.000	.17545	-.01414	.13045	-.13869	.00922	-.01514	.10453
4.500	GRADIENT	.00080	-.00044	-.00009	-.01463	.00557	-.00315	.00122

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET151 O/ET DATA (SRB SEPRTRNG)

(RTQ046) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
LREF = 1290.3000 IN. YMRP = .0000 IN.YT
BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
SRBPOS = 1.100 PT-JET = .000
RN/L = 2.100 BETA = .000
TO-JET = 100.000 X = .000
Y = .000 Z = .000

RUN NO. 142/ 0 RN/L = 2.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.31185	.08509	.24147	-.00197	.00114	.00045	-.00338
4.500	-9.000	-.28963	.08144	.23606	-.00191	.00100	.00045	-.00280
4.500	-8.000	-.26603	.07754	.22929	-.00202	.00102	.00043	-.00243
4.500	-7.000	-.24090	.07260	.22267	-.00211	.00108	.00040	-.00224
4.500	-6.000	-.21460	.06675	.21657	-.00251	.00128	.00049	-.00198
4.500	-5.000	-.18897	.06108	.21042	-.00341	.00165	.00037	-.00153
4.500	-4.000	-.16416	.05544	.20366	-.00344	.00173	.00026	-.00149
4.500	-3.000	-.13961	.04988	.19759	-.00316	.00162	.00014	-.00130
4.500	-2.000	-.11543	.04445	.19189	-.00341	.00162	.00003	-.00069
4.500	-1.000	-.09062	.03898	.18671	-.00371	.00164	-.00005	-.00008
4.500	-.000	-.06606	.03348	.18213	-.00384	.00156	-.00015	.00061
4.500	1.000	-.04166	.02794	.17839	-.00370	.00139	-.00021	.00113
4.500	2.000	-.01643	.02188	.17502	-.00312	.00099	-.00019	.00173
4.500	3.000	.00898	.01563	.17160	-.00284	.00040	-.00016	.00331
4.500	4.000	.03456	.00895	.16810	-.00281	.00018	-.00024	.00418
4.500	5.000	.05992	.00227	.16479	-.00306	.00013	-.00037	.00492
4.500	6.000	.08413	-.00396	.16093	-.00360	-.00003	-.00052	.00639
4.500	7.000	.11072	-.01122	.15708	-.00385	-.00017	-.00056	.00739
4.500	8.000	.13771	-.01853	.15357	-.00479	.00029	-.00064	.00759
4.500	9.000	.16408	-.02512	.15059	-.00544	.00053	-.00056	.00774
4.500	10.000	.18943	-.03066	.14780	-.00512	.00021	-.00058	.00875
GRADIENT		.02484	-.00581	-.00446	.00005	-.00017	-.00007	.00068

ORIGINAL PAGE IS
OF POOR QUALITY

AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)

(RTQ047) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 2.000 R-SRB = 2.000
 SRBPOS = 2.200 PT-JET = .000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 162/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.29176	.08612	.21493	-.00964	.00493	.00022	-.03028
4.500	-9.000	-.26750	.08026	.21281	-.00898	.00436	.00020	-.02673
4.500	-8.000	-.24406	.07464	.20660	-.00719	.00329	.00015	-.02328
4.500	-7.000	-.21878	.06805	.19980	-.00626	.00265	.00001	-.01989
4.500	-6.000	-.19314	.06169	.19574	-.00642	.00272	-.00011	-.01690
4.500	-5.000	-.16719	.05489	.19202	-.00607	.00249	-.00016	-.01377
4.500	-4.000	-.14114	.04740	.18705	-.00556	.00230	-.00018	-.01096
4.500	-3.000	-.11594	.04031	.18236	-.00525	.00225	-.00022	-.00821
4.500	-2.000	-.09364	.03603	.18285	-.00514	.00224	-.00027	-.00535
4.500	-1.000	-.06971	.02982	.17877	-.00473	.00208	-.00027	-.00245
4.500	-.000	-.04676	.02357	.17400	-.00450	.00205	-.00033	.00033
4.500	1.000	-.02405	.01678	.17020	-.00444	.00203	-.00044	.00327
4.500	2.000	.00368	.00614	.16815	-.00449	.00197	-.00047	.00644
4.500	3.000	.03276	-.00551	.16643	-.00440	.00175	-.00054	.00985
4.500	4.000	.06245	-.01723	.16475	-.00397	.00122	-.00056	.01357
4.500	5.000	.09017	-.02730	.16302	-.00414	.00097	-.00064	.01735
4.500	6.000	.11650	-.03624	.16107	-.00471	.00099	-.00067	.02093
4.500	7.000	.14158	-.04402	.15874	-.00526	.00101	-.00058	.02447
4.500	8.000	.16443	-.05060	.15612	-.00577	.00094	-.00042	.02818
4.500	9.000	.18868	-.05709	.15359	-.00660	.00109	-.00034	.03174
4.500	10.000	.21324	-.06361	.15103	-.00710	.00117	-.00033	.03505
4.500	GRADIENT	.02534	-.00800	-.00291	.00018	-.00013	-.00005	.00307

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRTNG)

(RTQ048) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 2.000 R-SRB = 2.000
 SRBPOS = 2.200 PT-JET = .000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 161/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CA	CY	CYN	CBL	ALPHA
4.500	-10.000	-.03715	.00643	.18986	.30030	-.09079	.03247	-.08625
4.500	-9.000	-.04115	.01035	.18684	.26481	-.07952	.02849	-.08360
4.500	-8.000	-.04419	.01365	.18512	.23115	-.06903	.02481	-.08176
4.500	-7.000	-.04805	.01742	.18311	.19881	-.05942	.02133	-.07971
4.500	-6.000	-.05151	.02092	.18143	.16690	-.05013	.01812	-.07798
4.500	-5.000	-.05339	.02256	.17973	.13567	-.04133	.01496	-.07837
4.500	-4.000	-.05616	.02440	.17863	.10473	-.03196	.01149	-.07954
4.500	-3.000	-.05889	.02624	.17745	.07597	-.02317	.00862	-.08059
4.500	-2.000	-.05939	.02667	.17563	.04571	-.01341	.00528	-.08201
4.500	-1.000	-.05894	.02650	.17436	.01634	-.00447	.00212	-.08387
4.500	-.000	-.05835	.02647	.17384	-.01353	.00458	-.00110	-.08566
4.500	1.000	-.05930	.02764	.17503	-.04353	.01358	-.00436	-.08730
4.500	2.000	-.05959	.02818	.17637	-.07325	.02268	-.00784	-.08967
4.500	3.000	-.05815	.02730	.17774	-.10300	.03124	-.01121	-.09323
4.500	4.000	-.05753	.02642	.17915	-.13265	.03973	-.01439	-.09766
4.500	5.000	-.05678	.02436	.18018	-.16189	.04764	-.01735	-.10416
4.500	6.000	-.05440	.02210	.18181	-.19367	.05664	-.02086	-.10970
4.500	7.000	-.05175	.01972	.18339	-.22579	.06633	-.02441	-.11533
4.500	8.000	-.04999	.01710	.18471	-.25955	.07646	-.02804	-.12206
4.500	9.000	-.04814	.01448	.18691	-.29443	.08726	-.03175	-.12929
4.500	10.000	-.04637	.01163	.18904	-.32964	.09808	-.03546	-.13700
4.500	GRADIENT	-.00019	.00022	.00007	-.02975	.00896	-.00325	-.00235

ORIGINAL PAGE IS
 OF POOR QUALITY

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRING)

(RTQ049) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 2.000 R-SRB = 2.000
 SRBPOS = 2.200 PT-JET = 1500.000
 RN/L = 1.020 BETA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 166/ 0 RN/L = 1.05 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	.04834	.05299	.20761	.00687	.02111	-.00053	-.02564
4.500	-9.000	.08176	.03899	.19877	.00533	.01591	-.00001	-.01812
4.500	-8.000	.11143	.02657	.18994	.00232	.01248	.00046	-.01209
4.500	-7.000	.13709	.01530	.18140	-.00020	.01020	.00091	-.00798
4.500	-6.000	.16219	.00413	.17385	-.00336	.00944	.00110	-.00558
4.500	-5.000	.18031	-.00643	.16617	-.00748	.01100	.00088	-.00585
4.500	-4.000	.18139	-.01892	.15538	-.00627	.01431	.00078	-.01237
4.500	-3.000	.19512	-.03006	.14863	-.00851	.01359	-.00016	-.01068
4.500	-2.000	.22142	-.04008	.14369	-.00989	.01283	-.00134	-.00948
4.500	-1.000	.25133	-.04980	.13976	-.01312	.01292	-.00212	-.00820
4.500	.000	.30198	-.06966	.13170	-.01350	.01152	-.00180	-.00676
4.500	1.000	.35734	-.09228	.11856	-.00931	.00692	.00027	-.00388
4.500	2.000	.39998	-.12032	.10363	-.01007	.00172	.00160	.00320
4.500	3.000	.43304	-.13487	.10092	-.01038	.00210	.00274	.00201
4.500	4.000	.47535	-.15221	.10050	-.00690	.00320	.00351	-.00283
4.500	5.000	.51543	-.16794	.09981	-.00561	.00518	.00312	-.00739
4.500	6.000	.53434	-.17105	.09894	-.00736	.00628	.00127	-.00859
4.500	7.000	.54356	-.16741	.09859	-.01180	.00689	-.00067	-.00719
4.500	8.000	.55069	-.15400	.09828	.00618	.00565	-.00250	-.01858
4.500	9.000	.57454	-.14739	.09154	.03160	.00784	-.00525	-.03992
4.500	10.000	.58496	-.13995	.08835	.02367	.00836	-.00699	-.03587
	GRADIENT	.03662	-.01689	-.00723	.00004	-.00124	.00036	.00089

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRING)

(RTQ050) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 2.000 R-SRB = 2.000
 SRBPOS = 2.200 PT-JET = 1500.000
 RN/L = 1.400 BETA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 164/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.01637	.04637	.19266	.00413	.01084	-.00245	-.01619
4.500	-9.000	.00192	.03724	.18233	.00243	.01034	-.00338	-.01451
4.500	-8.000	.01482	.03009	.17003	-.00145	.00990	-.00411	-.01089
4.500	-7.000	.03458	.01760	.15545	-.00742	.00705	-.00245	-.00057
4.500	-6.000	.08094	-.00616	.14336	-.00898	.00603	-.00159	.00203
4.500	-5.000	.13279	-.03215	.13182	-.00655	.00718	-.00132	-.00339
4.500	-4.000	.17034	-.04985	.12491	-.00545	.00802	-.00098	-.00694
4.500	-3.000	.19731	-.06263	.11919	-.00791	.00868	-.00071	-.00677
4.500	-2.000	.22288	-.07463	.11501	-.00862	.00956	-.00026	-.00888
4.500	-1.000	.24980	-.08768	.11223	-.00918	.00986	.00042	-.00960
4.500	-.000	.27843	-.10487	.10470	-.02145	.01316	-.00091	-.00528
4.500	1.000	.32045	-.10466	.10952	-.00743	.00952	-.00001	-.01219
4.500	2.000	.37592	-.11017	.11017	.00074	.00692	-.00044	-.01556
4.500	3.000	.42921	-.12617	.10856	.00666	.00456	-.00052	-.01733
4.500	4.000	.44753	-.13480	.10773	.01032	.00273	-.00005	-.01807
4.500	5.000	.47575	-.14201	.11150	.00929	.00152	-.00003	-.01552
4.500	6.000	.49485	-.14585	.11387	.01310	.00069	-.00037	-.01833
4.500	7.000	.50926	-.14505	.11437	.01503	.00068	-.00125	-.02091
4.500	8.000	.51797	-.14005	.11330	.01533	.00195	-.00246	-.02440
4.500	9.000	.52797	-.13640	.10944	.01389	.00248	-.00280	-.02483
4.500	10.000	.54221	-.13562	.10410	.01062	.00287	-.00290	-.02325
	GRADIENT	.03542	-.01062	-.00195	.00188	-.00062	.00009	-.00139

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OF POOR QUALITY

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TABULATED SOURCE DATA. AEDC VA 422. 1A61

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AEDC VA422 1A61 OIET1S1 O/ET DATA (SRB SEPRING)

(RTQ051) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 2.000 R-SRB = 2.000
 SRBPOS = 2.200 PT-JET = 1500.000
 RN/L = 1.400 ALPHA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 165/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CA	CY	CYN	CBL	ALPHA
4.500	-10.000	.21128	-.05847	.13385	.19404	-.03424	.01339	.05952
4.500	-9.000	.23366	-.07265	.13019	.17635	-.03444	.01283	.05298
4.500	-8.000	.25020	-.08249	.12659	.15490	-.03161	.01305	.04874
4.500	-7.000	.25970	-.08774	.12339	.12990	-.02843	.01296	.04613
4.500	-6.000	.25918	-.08551	.12044	.09879	-.01953	.01071	.04751
4.500	-5.000	.25534	-.07940	.11832	.08234	-.01366	.00792	.05229
4.500	-4.000	.26082	-.07860	.11783	.05765	-.00276	.00659	.05542
4.500	-3.000	.26414	-.08334	.11501	.04383	-.00150	.00512	.04842
4.500	-2.000	.26080	-.09565	.11229	.03033	-.00017	.00308	.03985
4.500	-1.000	.26169	-.08713	.11060	.01816	.00067	.00136	.03583
4.500	.000	.26631	-.09960	.10369	-.02439	.01423	-.00051	.01860
4.500	1.000	.25403	-.09184	.10465	-.04283	.01616	-.00199	.01796
4.500	2.000	.24478	-.08195	.11038	-.05479	.01586	-.00345	.02164
4.500	3.000	.24932	-.07892	.11531	-.06569	.01734	-.00495	.02574
4.500	4.000	.25005	-.08266	.11775	-.08684	.02510	-.00650	.01629
4.500	5.000	.24277	-.08475	.12133	-.10088	.02965	-.00681	.00245
4.500	6.000	.24501	-.08300	.12087	-.12515	.03408	-.00911	.00444
4.500	7.000	.24838	-.07210	.12213	-.14359	.03698	-.01095	.02194
4.500	8.000	.24318	-.05980	.12344	-.16037	.04182	-.01309	.03457
4.500	9.000	.22841	-.04831	.12582	-.18678	.04955	-.01480	.03743
4.500	10.000	.21130	-.03898	.12584	-.21657	.05742	-.01702	.03568
	GRADIENT	-.00173	-.00025	.00005	-.01867	.00393	-.00157	-.00480

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRING)

(RTQ052) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 2.000 R-SRB = 2.000
 SRBPOS = 2.200 PT-JET = 750.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 159/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.03530	-.00599	.23012	-.00348	.00526	-.00060	-.03993
4.500	-9.000	-.02096	-.00685	.22814	-.00824	.00611	-.00105	-.03333
4.500	-8.000	.00025	-.01322	.22139	-.00789	.00570	-.00117	-.02964
4.500	-7.000	.02534	-.02261	.21372	-.00674	.00447	-.00119	-.02490
4.500	-6.000	.05154	-.03283	.19819	-.00363	.00277	-.00083	-.02131
4.500	-5.000	.07429	-.04223	.18632	-.00339	.00269	-.00064	-.01825
4.500	-4.000	.09467	-.04924	.17757	-.00357	.00223	-.00032	-.01378
4.500	-3.000	.11405	-.05560	.17053	-.00243	.00094	-.00005	-.00886
4.500	-2.000	.13316	-.06162	.16499	-.00072	-.00050	.00017	-.00421
4.500	-1.000	.15337	-.06776	.16125	.00113	-.00167	.00032	-.00038
4.500	-.000	.17255	-.07328	.15893	.00180	-.00204	.00007	.00286
4.500	1.000	.18935	-.07796	.15545	.00211	-.00155	-.00035	.00443
4.500	2.000	.20769	-.08295	.15370	.00418	-.00232	-.00024	.00702
4.500	3.000	.23829	-.09470	.15245	.00295	-.00145	-.00025	.00949
4.500	4.000	.27323	-.10371	.15052	.01105	-.00573	.00133	.01349
4.500	5.000	.30165	-.11433	.15276	.01539	-.00543	.00102	.01078
4.500	6.000	.33078	-.12529	.15317	.01307	-.00398	.00072	.01312
4.500	7.000	.35867	-.13457	.15263	.01107	-.00406	.00092	.01880
4.500	8.000	.38583	-.14135	.15171	.01154	-.00500	.00123	.02366
4.500	9.000	.40851	-.14440	.14952	.01221	-.00525	.00117	.02660
4.500	10.000	.42387	-.14242	.14634	.01117	-.00427	.00051	.02858
	GRADIENT	.02190	-.00680	-.00326	.00163	-.00076	.00012	.00306

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TABULATED SOURCE DATA, AEDC-VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRTNG)

(RTQ053) (23 OCT 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

L-SRB = 2.000 R-SRB = 2.000
 SRBPOS = 2.200 PT-JET = 750.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 160/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CA	CY	CYN	CBL	ALPHA
4.500	-10.000	.13139	-.06533	.17961	.33222	-.11629	.03551	-.05659
4.500	-9.000	.14692	-.07314	.18020	.29693	-.10897	.03260	-.05932
4.500	-8.000	.15669	-.07723	.18019	.24993	-.09493	.02945	-.06012
4.500	-7.000	.15289	-.07631	.17747	.21167	-.08080	.02524	-.06335
4.500	-6.000	.15745	-.07485	.17279	.17225	-.06709	.02149	-.05596
4.500	-5.000	.16370	-.07458	.16695	.13506	-.05123	.01659	-.04863
4.500	-4.000	.16612	-.07507	.16264	.10091	-.03598	.01198	-.04761
4.500	-3.000	.16726	-.07489	.15979	.06949	-.02322	.00778	-.04718
4.500	-2.000	.16684	-.07420	.15693	.04283	-.01435	.00496	-.04727
4.500	-1.000	.16577	-.07308	.15625	.01849	-.00742	.00249	-.04817
4.500	.000	.16536	-.07245	.15668	-.00501	-.00051	-.00028	-.04986
4.500	1.000	.16503	-.07264	.15719	-.02950	.00641	-.00288	-.05327
4.500	2.000	.16381	-.07178	.16056	-.05645	.01503	-.00593	-.05666
4.500	3.000	.16274	-.07144	.16467	-.08700	.02671	-.00987	-.06139
4.500	4.000	.16062	-.07135	.16822	-.12154	.04123	-.01460	-.06746
4.500	5.000	.15757	-.07137	.17056	-.16008	.05827	-.02015	-.07418
4.500	6.000	.15305	-.07156	.17196	-.19820	.07409	-.02524	-.08237
4.500	7.000	.14693	-.06970	.17471	-.23320	.08482	-.02852	-.08860
4.500	8.000	.14426	-.06866	.17460	-.27679	.09808	-.03153	-.09161
4.500	9.000	.13768	-.06743	.17435	-.31514	.10572	-.03320	-.09827
4.500	10.000	.12420	-.06087	.17545	-.34486	.11059	-.03495	-.10172
GRADIENT		-.00066	.00042	.00057	-.02801	.00981	-.00336	-.00249

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRING)

(RTQ054) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 2.000 R-SRB = 2.000
 SRBPOS = 2.200 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 158/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.35709	.05192	.19439	-.00879	.01071	-.00329	-.04846
4.500	-9.000	-.01987	.03724	.18587	-.01371	.01036	-.00341	-.03864
4.500	-8.000	.02064	.02312	.18041	-.01495	.01083	-.00355	-.03505
4.500	-7.000	.05510	.00281	.16906	-.00217	.01310	-.00274	-.05234
4.500	-6.000	.08578	-.01775	.15702	.00357	.01254	-.00176	-.05455
4.500	-5.000	.11104	-.03777	.14497	-.00478	.01273	-.00049	-.04193
4.500	-4.000	.13934	-.05599	.13690	-.01235	.01423	.00047	-.03335
4.500	-3.000	.17841	-.05927	.13385	-.00788	.01056	-.00090	-.02636
4.500	-2.000	.22220	-.06437	.13038	-.00192	.00644	-.00120	-.02001
4.500	-1.000	.25655	-.07632	.12618	.00151	.00454	-.00155	-.01614
4.500	.000	.28399	-.08857	.12294	.00287	.00487	-.00134	-.01525
4.500	1.000	.30791	-.10007	.11990	.00637	.00573	-.00160	-.01819
4.500	2.000	.33034	-.11140	.12098	.00367	.00527	-.00125	-.01053
4.500	3.000	.34812	-.12212	.12108	.00634	.00038	-.00086	.00155
4.500	4.000	.37720	-.13197	.12084	.00776	-.00035	-.00084	.00498
4.500	5.000	.40663	-.14177	.12039	.00925	.00017	-.00065	.00529
4.500	6.000	.43282	-.14617	.12111	.01425	-.00045	-.00054	.00421
4.500	7.000	.45331	-.14567	.12281	.02198	-.00299	-.00117	.00464
4.500	8.000	.46584	-.14070	.12276	.02516	-.00359	-.00309	.00566
4.500	9.000	.47707	-.13749	.11840	.02166	-.00337	-.00397	.01257
4.500	10.000	.49281	-.13704	.11258	.01721	-.00355	-.00298	.02155
	GRADIENT	.02915	-.01028	-.00228	.00190	-.00139	-.00006	.00445

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AEDC VA422 1A61 01ET1S1 0/CT DATA (SRB SEPRTNG)

(RTQ055) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 2.000 R-SRB = 2.000
 SRBPOS = 2.200 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TC-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 167/ 0 RN/L = 1.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.05809	.05134	.19113	-.00868	.01059	-.00329	-.04313
4.500	-9.000	-.02193	.03684	.18232	-.01467	.01110	-.00360	-.03462
4.500	-8.000	.01878	.02267	.17692	-.01552	.01120	-.00362	-.03111
4.500	-7.000	.05369	.00203	.16559	-.00431	.01316	-.00294	-.04634
4.500	-6.000	.08451	-.01791	.15376	.00380	.01254	-.00183	-.05168
4.500	-5.000	.11660	-.03637	.14292	-.00281	.01093	-.00119	-.03723
4.500	-4.000	.13835	-.05689	.13319	-.01373	.01454	.00044	-.03040
4.500	-3.000	.17761	-.06094	.13021	-.00892	.01074	-.00083	-.02399
4.500	-2.000	.22150	-.06473	.12700	-.00268	.00623	-.00129	-.01756
4.500	-1.000	.26661	-.07726	.12276	.00109	.00414	-.00153	-.01411
4.500	.000	.29405	-.08960	.11946	.00245	.00441	-.00145	-.01360
4.500	1.000	.30780	-.10037	.11646	.00610	.00497	-.00155	-.01650
4.500	2.000	.33067	-.11183	.11731	.00330	.00554	-.00139	-.01180
4.500	3.000	.34835	-.12313	.11764	.00614	.00047	-.00097	.00006
4.500	4.000	.37696	-.13302	.11680	.00697	.00039	-.00092	.00205
4.500	5.000	.40616	-.14202	.11641	.00927	.00050	-.00082	.00188
4.500	6.000	.43297	-.14731	.11746	.01354	-.00037	-.00064	.00178
4.500	7.000	.45329	-.14709	.11877	.02169	-.00290	-.00123	.00114
4.500	8.000	.46592	-.14188	.11857	.02414	-.00350	-.00301	.00253
4.500	9.000	.47781	-.13832	.11503	.02164	-.00339	-.00389	.00805
4.500	10.000	.49112	-.13699	.10893	.01687	-.00338	-.00324	.01643
	GRADIENT	.02895	-.01033	-.00238	.00187	-.00127	-.00004	.00370

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET151 0/ET DATA (SRB SEPRTING)

(RTQ056) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 2.000 R-SRB = 2.000
 SRBPOS = 2.200 PT-JET = 1500.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = 147.000
 Y = 216.800 Z = 259.400

RUN NO. 157/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CA	CY	CYN	CBL	ALPHA
4.500	-10.000	.21012	-.07007	.14730	.23952	-.06573	.01849	.02505
4.500	-9.000	.20480	-.07498	.14563	.20763	-.06129	.01668	.00813
4.500	-8.000	.20859	-.07656	.14214	.17930	-.05486	.01490	.00844
4.500	-7.000	.21408	-.07792	.13889	.15540	-.04755	.01294	.01089
4.500	-6.000	.21941	-.07875	.13532	.13143	-.03915	.01104	.01441
4.500	-5.000	.22944	-.08286	.13065	.10374	-.02889	.00969	.01657
4.500	-4.000	.22892	-.08491	.12568	.06535	-.01591	.00809	.01217
4.500	-3.000	.22951	-.08934	.12162	.04648	-.01196	.00637	.00358
4.500	-2.000	.24332	-.09006	.12061	.03316	-.00605	.00358	.01502
4.500	-1.000	.26712	-.08480	.12157	.01941	.00070	.00054	.04837
4.500	-.000	.27282	-.08435	.12127	-.00333	.00588	-.00168	.05345
4.500	1.000	.26508	-.08347	.12142	-.02460	.01037	-.00373	.04526
4.500	2.000	.24005	-.08635	.12406	-.04165	.00901	-.00482	.01017
4.500	3.000	.23970	-.09181	.12477	-.05335	.01107	-.00597	-.00370
4.500	4.000	.23260	-.08490	.12715	-.08113	.02163	-.00833	.00022
4.500	5.000	.21051	-.07821	.13430	-.11409	.03374	-.00914	-.01408
4.500	6.000	.19366	-.07616	.13777	-.14409	.04276	-.01069	-.03088
4.500	7.000	.19137	-.07533	.13905	-.17357	.05182	-.01383	-.03405
4.500	8.000	.17969	-.07262	.14138	-.20197	.05682	-.01530	-.04360
4.500	9.000	.16781	-.07091	.14391	-.22995	.06077	-.01636	-.05554
4.500	10.000	.20719	-.05571	.14031	-.24777	.07238	-.01899	.01652
	GRADIENT	-.00053	.00022	.00037	-.01971	.00520	-.00198	-.00214

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DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRNG)

(RTQ057) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = .000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 176/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.30074	.09053	.21125	-.00370	.00147	.00002	.00339
4.500	-9.000	-.28028	.08684	.20760	-.00449	.00176	.00003	.00334
4.500	-8.000	-.25869	.08304	.20370	-.00409	.00154	.00015	.00313
4.500	-7.000	-.23434	.07769	.19840	-.00461	.00176	.00009	.00292
4.500	-6.000	-.20806	.07061	.19289	-.00482	.00190	.00003	.00256
4.500	-5.000	-.18066	.06194	.18466	-.00575	.00256	-.00013	.00177
4.500	-4.000	-.15364	.05299	.17592	-.00556	.00261	-.00018	.00112
4.500	-3.000	-.12772	.04490	.16844	-.00460	.00205	-.00020	.00108
4.500	-2.000	-.10255	.03735	.16256	-.00407	.00175	-.00019	.00089
4.500	-1.000	-.07765	.03026	.15751	-.00379	.00155	-.00023	.00076
4.500	-.000	-.05348	.02326	.15247	-.00351	.00143	-.00024	.00041
4.500	1.000	-.02799	.01477	.14546	-.00377	.00163	-.00040	-.00007
4.500	2.000	-.00656	.00954	.14159	-.00378	.00151	-.00056	-.00004
4.500	3.000	.01345	.00511	.13955	-.00351	.00120	-.00064	.00009
4.500	4.000	.03430	.00001	.13850	-.00332	.00088	-.00076	.00035
4.500	5.000	.05436	-.00455	.13572	-.00336	.00063	-.00072	.00071
4.500	6.000	.07050	-.00700	.13341	-.00379	.00056	-.00079	.00111
4.500	7.000	.09509	-.01443	.13290	-.00468	.00078	-.00075	.00129
4.500	8.000	.12074	-.02229	.13333	-.00475	.00022	-.00104	.00241
4.500	9.000	.14604	-.02954	.13443	-.00581	.00061	-.00082	.00240
4.500	10.000	.17267	-.03711	.13553	-.00638	.00071	-.00062	.00251
	GRADIENT	.02356	-.00668	-.00486	.00023	-.00018	-.00007	-.00013

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRING)

(RTQ058) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = .000
 RN/L = 1.750 ALPHA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 177/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CA	CY	CYN	CBL	ALPHA
4.500	-10.000	-.06491	.02577	.19507	.30602	-.09329	.03402	-.11210
4.500	-9.000	-.06695	.02803	.19246	.27076	-.08218	.03026	-.10752
4.500	-8.000	-.06896	.03024	.19062	.23656	-.07147	.02659	-.10331
4.500	-7.000	-.07134	.03256	.18897	.20341	-.06128	.02293	-.09938
4.500	-6.000	-.07274	.03374	.18474	.17045	-.05121	.01931	-.09557
4.500	-5.000	-.07340	.03369	.17934	.13842	-.04196	.01579	-.09309
4.500	-4.000	-.07238	.03165	.17090	.10586	-.03170	.01184	-.09148
4.500	-3.000	-.06915	.02784	.16124	.07558	-.02199	.00847	-.09072
4.500	-2.000	-.06710	.02668	.15712	.04630	-.01319	.00530	-.08828
4.500	-1.000	-.06565	.02542	.15246	.01700	-.00484	.00212	-.08634
4.500	.000	-.06703	.02686	.15263	-.01293	.00389	-.00110	-.08399
4.500	1.000	-.06923	.02927	.15579	-.04246	.01223	-.00433	-.08189
4.500	2.000	-.07084	.03115	.16120	-.07186	.02087	-.00769	-.08126
4.500	3.000	-.07356	.03454	.17043	-.10310	.03046	-.01134	-.08051
4.500	4.000	-.07496	.03618	.17865	-.13428	.03959	-.01477	-.08142
4.500	5.000	-.07521	.03555	.18161	-.16482	.04831	-.01793	-.08348
4.500	6.000	-.07427	.03462	.18255	-.19753	.05813	-.02152	-.08400
4.500	7.000	-.07365	.03373	.18467	-.23084	.06860	-.02524	-.08525
4.500	8.000	-.07331	.03262	.18763	-.26485	.07916	-.02884	-.08769
4.500	9.000	-.07275	.03146	.19080	-.29927	.09003	-.03247	-.09015
4.500	10.000	-.07285	.03021	.19425	-.33540	.10151	-.03630	-.09348
	GRADIENT	-.00040	.00055	.00074	-.03008	.00890	-.00334	.00125

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRING)

(RTQ059) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 340.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 187/ 0. RN/L = 1.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.25134	.06071	.17441	-.00578	.00264	-.00030	.00641
4.500	-9.000	-.23344	.05802	.17248	-.00580	.00275	-.00021	.00555
4.500	-8.000	-.21601	.05588	.16916	-.00474	.00198	-.00021	.00554
4.500	-7.000	-.21523	.05785	.16826	-.00271	.00100	-.00026	.00486
4.500	-6.000	-.19416	.05449	.16578	-.00444	.00194	-.00027	.00401
4.500	-5.000	-.17093	.04955	.16371	-.00506	.00242	-.00025	.00294
4.500	-4.000	-.14657	.04369	.16179	-.00443	.00215	-.00024	.00224
4.500	-3.000	-.12162	.03698	.15983	-.00386	.00188	-.00016	.00159
4.500	-2.000	-.09553	.02916	.15667	-.00308	.00145	-.00002	.00108
4.500	-1.000	-.06977	.02150	.15227	-.00277	.00122	-.00004	.00062
4.500	.000	-.04120	.01150	.14666	-.00323	.00169	-.00059	-.00063
4.500	1.000	-.01421	.00244	.14225	-.00356	.00200	-.00116	-.00163
4.500	2.000	.00855	-.00381	.13880	-.00679	.00395	-.00194	-.00322
4.500	3.000	.02958	-.00926	.13453	-.00933	.00554	-.00297	-.00473
4.500	4.000	.05607	-.01929	.13047	-.00889	.00523	-.00462	-.00515
4.500	5.000	.08468	-.03096	.12624	-.00492	.00241	-.00267	-.00363
4.500	6.000	.12939	-.05614	.11823	-.00613	.00244	-.00114	-.00296
4.500	7.000	.20779	-.10780	.10785	-.00737	.00310	-.00130	-.00391
4.500	8.000	.28683	-.15927	.09784	-.00763	.00323	-.00090	-.00472
4.500	9.000	.35252	-.19986	.09080	-.00478	.00209	-.00107	-.00607
4.500	10.000	.40520	-.22920	.09007	-.00414	.00184	-.00229	-.00693
4.500	GRADIENT	.02551	-.00798	-.00395	-.00038	.00026	-.00039	-.00084

DATE 26 NOV 75

TABULATED SOURCE DATA. AEDC VA 422. 1A61

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AEDC VA422 1A61 O1ET1S1 O/ET DATA (SRB SEPRTNG)

(RTQ060) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 750.000
 RN/L = .690 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 186/ 0 RN/L = .72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.470	-10.000	-.22106	.04692	.17236	-.01207	.00572	-.00145	-.00013
4.470	-9.000	-.20638	.04597	.16673	-.01133	.00529	-.00112	-.00004
4.470	-8.000	-.18894	.04459	.16115	-.00822	.00397	-.00046	-.00020
4.470	-7.000	-.16386	.03867	.15525	-.00724	.00305	-.00031	.00027
4.470	-6.000	-.13759	.03034	.14947	-.00745	.00253	-.00084	.00090
4.470	-5.000	-.11173	.02199	.14392	-.00618	.00199	-.00109	.00085
4.470	-4.000	-.08436	.01225	.13989	-.00542	.00155	-.00108	.00093
4.470	-3.000	-.05767	.00285	.13710	-.00516	.00136	-.00101	.00102
4.470	-2.000	-.02518	-.01073	.14296	-.00829	.00403	-.00105	-.00012
4.470	-1.000	.00092	-.02113	.13583	-.00640	.00276	-.00141	.00025
4.470	.000	.03372	-.03774	.12963	-.00496	.00222	-.00159	.00009
4.470	1.000	.07369	-.06060	.12466	-.00469	.00279	-.00174	-.00060
4.470	2.000	.16854	-.12518	.11972	.00516	-.00481	.00259	.00213
4.470	3.000	.22713	-.16166	.11537	.00368	-.00539	.00003	.00338
4.470	4.000	.25549	-.17540	.10604	.00117	-.00250	-.00314	.00175
4.470	5.000	.27713	-.18322	.10062	-.01024	.00536	-.00147	-.00053
4.470	6.000	.31042	-.19919	.09635	-.01708	.00965	-.00191	-.00148
4.470	7.000	.34795	-.22074	.08985	-.01734	.01013	-.00093	-.00183
4.470	8.000	.41281	-.26448	.08357	-.00388	-.00033	-.00148	.00197
4.470	9.000	.47364	-.30477	.08009	-.00498	-.00042	-.00130	.00254
4.470	10.000	.53992	-.34596	.07849	-.00523	.00046	-.00203	.00177
	GRADIENT	.04198	-.02308	-.00432	.00056	-.00034	-.00000	.00006

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 OF POOR QUALITY

AEDC VA422 1A61 OIETISI O/ET DATA (SRB SEPRTNG)

(RTQ061) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 340.000
 RN/L = 1.020 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 185/ 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.27783	.07772	.19323	-.00875	.00441	-.00067	-.00237
4.500	-9.000	-.26935	.07707	.19185	-.00873	.00450	-.00056	-.00231
4.500	-8.000	-.24947	.07429	.18910	-.00759	.00353	-.00057	-.00152
4.500	-7.000	-.22724	.06994	.18502	-.00727	.00326	-.00054	-.00115
4.500	-6.000	-.20193	.06377	.18048	-.00811	.00383	-.00049	-.00118
4.500	-5.000	-.17407	.05510	.17409	-.00779	.00371	-.00053	-.00102
4.500	-4.000	-.14694	.04646	.16721	-.00694	.00330	-.00046	-.00081
4.500	-3.000	-.12055	.03837	.16074	-.00648	.00307	-.00053	-.00060
4.500	-2.000	-.09548	.03108	.15520	-.00572	.00272	-.00060	-.00042
4.500	-1.000	-.07029	.02374	.15045	-.00536	.00252	-.00065	-.00018
4.500	-.000	-.04703	.01798	.14838	-.00505	.00233	-.00058	.00008
4.500	1.000	-.02719	.01432	.14887	-.00519	.00229	-.00065	.00043
4.500	2.000	-.00975	.01304	.15525	-.00522	.00222	-.00069	.00077
4.500	3.000	.01054	.00911	.15765	-.00483	.00196	-.00071	.00106
4.500	4.000	.03249	.00354	.15747	-.00486	.00188	-.00079	.00139
4.500	5.000	.05527	-.00290	.15545	-.00496	.00161	-.00082	.00203
4.500	6.000	.07565	-.00937	.15145	-.00562	.00162	-.00096	.00266
4.500	7.000	.09883	-.01628	.14765	-.00676	.00173	-.00096	.00348
4.500	8.000	.12365	-.02396	.14412	-.00737	.00179	-.00088	.00401
4.500	9.000	.14941	-.03190	.14098	-.00804	.00182	-.00082	.00460
4.500	10.000	.17464	-.03939	.13854	-.00784	.00171	-.00073	.00482
	GRADIENT	.02248	-.00541	-.00130	.00026	-.00019	-.00003	.00029

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422 1A61

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AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRTNG)

(RTQ062) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 750.000
 RN/L = 1.020 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 183/ 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.24635	.06456	.17988	-.01090	.00529	-.00045	-.00039
4.500	-9.000	-.24136	.06324	.17946	-.00900	.00425	-.00058	-.00022
4.500	-8.000	-.23423	.06197	.17708	-.00847	.00415	-.00063	-.00043
4.500	-7.000	-.21345	.05787	.17205	-.00748	.00347	-.00058	-.00011
4.500	-6.000	-.18997	.05253	.16718	-.00643	.00282	-.00050	.00012
4.500	-5.000	-.16643	.04685	.16246	-.00503	.00276	-.00040	-.00003
4.500	-4.000	-.14140	.03989	.15713	-.00582	.00264	-.00038	.00002
4.500	-3.000	-.11724	.03425	.15534	-.00526	.00238	-.00030	.00005
4.500	-2.000	-.09572	.02999	.15613	-.00345	.00130	-.00011	.00036
4.500	-1.000	-.07214	.02423	.15395	-.00236	.00066	-.00009	.00055
4.500	-.000	-.04921	.01871	.15111	-.00228	.00061	-.00028	.00060
4.500	1.000	-.02670	.01305	.14854	-.00333	.00129	-.00055	.00038
4.500	2.000	-.00351	.00657	.14632	-.00454	.00200	-.00089	.00024
4.500	3.000	.01872	.00058	.14315	-.00436	.00184	-.00136	.00037
4.500	4.000	.04184	-.00645	.13893	-.00500	.00220	-.00136	.00033
4.500	5.000	.06666	-.01499	.13347	-.00547	.00228	-.00188	.00056
4.500	6.000	.09450	-.02639	.12879	-.00594	.00237	-.00248	.00077
4.500	7.000	.12834	-.04304	.12271	-.00725	.00253	-.00327	.00145
4.500	8.000	.19253	-.08260	.11314	-.00783	.00273	-.00299	.00153
4.500	9.000	.26820	-.13227	.10285	-.01087	.00463	-.00281	.00088
4.500	10.000	.32269	-.16682	.09711	-.00858	.00470	-.00308	-.00080
4.500	GRADIENT	.02306	-.00594	.00254	.00005	-.00003	-.00015	.00004

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRING)

(RTQ063) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 750.000
 RN/L = 1.020 ALPHA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 184/ 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CA	CY	CYN	CBL	ALPHA
4.500	-10.000	-.04653	.00950	.17040	.29646	-.08713	.03326	-.07061
4.500	-9.000	-.05343	.01522	.16720	.25785	-.07391	.02825	-.06621
4.500	-8.000	-.05753	.01837	.16248	.22044	-.06042	.02357	-.06274
4.500	-7.000	-.06114	.02118	.15684	.18565	-.04915	.01948	-.05925
4.500	-6.000	-.06378	.02371	.15326	.15601	-.04148	.01696	-.05593
4.500	-5.000	-.06316	.02294	.14881	.12614	-.03314	.01369	-.05443
4.500	-4.000	-.06307	.02242	.14854	.09859	-.02570	.01069	-.05404
4.500	-3.000	-.06436	.02362	.15267	.07219	-.01962	.00801	-.05360
4.500	-2.000	-.06343	.02278	.15142	.04420	-.01231	.00510	-.05282
4.500	-1.000	-.06399	.02312	.14959	.01604	-.00479	.00208	-.05139
4.500	.000	-.06168	.02119	.14757	-.01311	.00355	-.00113	-.05090
4.500	1.000	-.06154	.02233	.15002	-.04251	.01207	-.00443	-.04919
4.500	2.000	-.06360	.02486	.15097	-.07202	.02049	-.00781	-.04678
4.500	3.000	-.06277	.02403	.14594	-.10025	.02748	-.01093	-.04507
4.500	4.000	-.05961	.02118	.14365	-.12732	.03376	-.01339	-.04511
4.500	5.000	-.05887	.01988	.14593	-.15416	.04037	-.01607	-.04591
4.500	6.000	-.06069	.01977	.14984	-.18618	.04944	-.01961	-.04731
4.500	7.000	-.05717	.01727	.15293	-.22123	.06058	-.02306	-.04809
4.500	8.000	-.05316	.01391	.15694	-.25815	.07352	-.02692	-.04991
4.500	9.000	-.04696	.00949	.16428	-.29703	.08709	-.03059	-.05250
4.500	10.000	-.03901	.00331	.16931	-.33793	.10289	-.03528	-.05555
	GRADIENT	.00038	-.00014	-.00050	-.02830	.00754	-.00304	.00107

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ETIS1 O/ET DATA (SRB SEPRING)

(RTQ064) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 1500.000
 RN/L = 1.020 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 182/ 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.15735	.02159	.18106	-.01040	.00534	-.00067	-.00081
4.500	-9.000	-.13019	.01384	.17946	-.00954	.00493	-.00092	-.00080
4.500	-8.000	-.10022	.00295	.17591	-.00781	.00359	-.00090	-.00007
4.500	-7.000	-.06550	-.01264	.16898	-.00558	.00158	-.00109	.00125
4.500	-6.000	-.01930	-.03769	.16009	-.00412	.00001	-.00158	.00247
4.500	-5.000	.03913	-.07320	.15154	-.00052	-.00291	-.00102	.00410
4.500	-4.000	.10742	-.11608	.14492	.00456	-.00689	.00009	.00623
4.500	-3.000	.18104	-.16260	.14000	.00930	-.00965	.00156	.00684
4.500	-2.000	.23711	-.19386	.13905	.01221	-.01045	.00034	.00596
4.500	-1.000	.25584	-.20096	.13172	.01415	-.01141	.00055	.00601
4.500	.000	.27737	-.20989	.12305	.01310	-.01078	.00161	.00585
4.500	1.000	.30508	-.22436	.11587	.00694	-.00628	.00163	.00372
4.500	2.000	.33763	-.24099	.11082	-.00061	-.00208	.00165	.00294
4.500	3.000	.38287	-.26147	.10585	-.02086	.00815	.00200	.00239
4.500	4.000	.41258	-.27426	.10149	-.01465	.00051	.00301	.00893
4.500	5.000	.45024	-.29238	.09960	-.00721	-.00619	.00512	.01329
4.500	6.000	.49357	-.31589	.09826	-.00032	-.01069	.00648	.01490
4.500	7.000	.54583	-.34892	.09628	.01353	-.02187	.00930	.02111
4.500	8.000	.60472	-.38505	.09608	.01749	-.02571	.01216	.02370
4.500	9.000	.66378	-.41873	.09633	.01842	-.02700	.01528	.02479
4.500	10.000	.72778	-.45801	.09805	-.00839	-.00635	.00447	.01402
	GRADIENT	.03756	-.01948	-.00553	-.00212	.00080	.00043	.00032

ORIGINAL PAGE IS
OF POOR QUALITY

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ETIS1 O/ET DATA (SRB SEPRING)

(RTQ065) (23 OCT 75)

REFERENCE DATA

SREF = 2690.6700 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 750.000
 RN/L = 1.400 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 181/ 0 RN/L = 1.42 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.26721	.07188	.18762	-.00643	.00301	-.00030	-.00210
4.500	-9.000	-.26080	.07083	.18512	-.00796	.00386	-.00036	-.00212
4.500	-8.000	-.24161	.06780	.18119	-.00636	.00292	-.00030	-.00158
4.500	-7.000	-.22047	.06406	.17649	-.00567	.00226	-.00037	-.00072
4.500	-6.000	-.19718	.05910	.17189	-.00770	.00347	-.00038	-.00094
4.500	-5.000	-.17120	.05186	.16603	-.00766	.00357	-.00034	-.00095
4.500	-4.000	-.14478	.04380	.15889	-.00712	.00332	-.00035	-.00075
4.500	-3.000	-.11944	.03620	.15295	-.00567	.00277	-.00031	-.00084
4.500	-2.000	-.09510	.02928	.14795	-.00540	.00251	-.00039	-.00037
4.500	-1.000	-.07002	.02233	.14354	-.00475	.00219	-.00043	-.00015
4.500	-.000	-.04871	.01806	.14393	-.00472	.00215	-.00042	.00012
4.500	1.000	-.03059	.01648	.14873	-.00489	.00230	-.00035	.00020
4.500	2.000	-.00986	.01246	.15092	-.00465	.00209	-.00033	.00059
4.500	3.000	.01151	.00732	.14991	-.00413	.00160	-.00040	.00128
4.500	4.000	.03435	.00084	.14806	-.00382	.00117	-.00042	.00202
4.500	5.000	.05765	-.00606	.14532	-.00422	.00107	-.00055	.00280
4.500	6.000	.07873	-.01246	.14142	-.00454	.00103	-.00055	.00339
4.500	7.000	.10200	-.01950	.13790	-.00537	.00111	-.00062	.00422
4.500	8.000	.12675	-.02712	.13407	-.00643	.00149	-.00058	.00467
4.500	9.000	.15009	-.03324	.12997	-.00751	.00191	-.00067	.00509
4.500	10.000	.17698	-.04173	.12599	-.00810	.00209	-.00104	.00548
4.500	GRADIENT	.02240	-.00534	-.00131	.00033	-.00023	-.00001	.00035

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 OIETIS1 O/ET DATA (SRB SEPRING)

(RTQ066) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 1500.000
 RN/L = 1.400 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 179/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.22883	.04810	.17336	-.00746	.00340	-.00028	.00152
4.500	-9.000	-.20998	.04416	.17048	-.00802	.00398	-.00065	.00087
4.500	-8.000	-.19475	.04239	.16544	-.00837	.00423	-.00081	.00049
4.500	-7.000	-.17413	.03998	.15815	-.00762	.00387	-.00051	.00038
4.500	-6.000	-.14854	.03302	.15187	-.00572	.00259	-.00054	.00098
4.500	-5.000	-.12814	.03002	.14801	-.00453	.00175	-.00073	.00136
4.500	-4.000	-.10414	.02356	.15235	-.00375	.00142	-.00034	.00112
4.500	-3.000	-.07355	.01224	.15358	-.00201	.00049	-.00041	.00114
4.500	-2.000	-.04395	-.00025	.15032	-.00475	.00258	-.00029	-.00050
4.500	-1.000	-.01602	-.01145	.14252	-.00356	.00215	-.00031	-.00093
4.500	-.000	.01002	-.02156	.13554	-.00060	.00062	-.00050	-.00089
4.500	1.000	.04205	-.03706	.12947	.00005	-.00053	-.00071	.00058
4.500	2.000	.09420	-.06872	.12417	-.00068	.00008	-.00039	-.00012
4.500	3.000	.17022	-.11905	.11819	-.00048	-.00002	-.00069	-.00037
4.500	4.000	.25193	-.17321	.11338	-.00003	.00031	-.00151	-.00173
4.500	5.000	.29233	-.19386	.10667	-.00182	-.00017	-.00173	.00074
4.500	6.000	.31536	-.20128	.10142	.00055	-.00082	-.00217	-.00036
4.500	7.000	.36352	-.22614	.09804	.00219	.00052	-.00573	-.00469
4.500	8.000	.42163	-.26075	.09464	-.00194	.00130	-.00125	-.00254
4.500	9.000	.44999	-.28663	.08370	-.00219	-.00063	-.00129	.00121
4.500	10.000	.51207	-.32503	.08066	-.00178	-.00111	-.00182	.00151
	GRADIENT	.04175	-.02239	-.00486	.00041	-.00021	-.00010	-.00015

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRING)

(RTQ067) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 1500.000
 RN/L = 1.400 ALPHA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 180/ 0 RN/L = 1.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CA	CY	CYN	CBL	ALPHA
4.500	-10.000	.10157	-.10113	.16189	.29755	-.11025	.03772	-.14972
4.500	-9.000	.08444	-.08748	.15861	.25923	-.09496	.03224	-.13944
4.500	-8.000	.07809	-.08220	.15635	.22858	-.08471	.02730	-.13443
4.500	-7.000	.07181	-.07702	.15335	.19729	-.07343	.02324	-.12933
4.500	-6.000	.06431	-.07168	.14567	.16444	-.06042	.01928	-.12312
4.500	-5.000	.05199	-.06254	.13886	.13295	-.04908	.01669	-.11503
4.500	-4.000	-.00117	-.02270	.13741	.09785	-.03219	.01146	-.09200
4.500	-3.000	-.00675	-.01738	.13875	.06777	-.02247	.00776	-.08763
4.500	-2.000	-.00687	-.01620	.13884	.03944	-.01304	.00435	-.08508
4.500	-1.000	-.00578	-.01648	.13668	.01385	-.00449	.00172	-.08313
4.500	.000	-.00697	-.01491	.13681	-.01043	.00322	-.00118	-.08089
4.500	1.000	-.00314	-.01786	.13903	-.03520	.01071	-.00423	-.08274
4.500	2.000	.00183	-.02189	.14117	-.06574	.02144	-.00813	-.08530
4.500	3.000	.00442	-.02526	.13994	-.09579	.03157	-.01152	-.08758
4.500	4.000	.01413	-.03389	.13827	-.12242	.04029	-.01321	-.09252
4.500	5.000	.02366	-.04181	.14171	-.15212	.05131	-.01625	-.09812
4.500	6.000	.03597	-.04994	.15004	-.18375	.06311	-.02057	-.10378
4.500	7.000	.08889	-.08743	.15880	-.23124	.09008	-.02854	-.12424
4.500	8.000	.10275	-.09787	.16238	-.26388	.10333	-.03315	-.13066
4.500	9.000	.11179	-.10634	.16596	-.29980	.11617	-.03811	-.13777
4.500	10.000	.13056	-.12164	.17105	-.34389	.13526	-.04376	-.14862
	GRADIENT	-.00024	.00020	.00026	-.02779	.00944	-.00320	.00075

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 O/ET DATA (SRB SEPRING)

(RTQ068) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 340.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 175/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.29468	.08484	.20389	-.00590	.00294	-.00037	.00071
4.500	-9.000	-.27451	.08114	.19864	-.00509	.00230	-.00033	.00119
4.500	-8.000	-.25609	.07922	.19413	-.00547	.00244	-.00011	.00118
4.500	-7.000	-.23369	.07543	.19131	-.00586	.00271	-.00001	.00089
4.500	-6.000	-.20791	.06888	.18654	-.00631	.00295	-.00006	.00075
4.500	-5.000	-.18060	.06082	.18026	-.00596	.00283	-.00008	.00051
4.500	-4.000	-.15332	.05222	.17359	-.00566	.00277	-.00017	.00017
4.500	-3.000	-.12680	.04379	.16660	-.00513	.00245	-.00023	.00021
4.500	-2.000	-.10108	.03577	.16002	-.00471	.00220	-.00029	.00022
4.500	-1.000	-.07559	.02823	.15468	-.00441	.00195	-.00031	.00034
4.500	-.000	-.05172	.02149	.14965	-.00409	.00182	-.00031	.00016
4.500	1.000	-.02960	.01598	.14747	-.00402	.00180	-.00036	-.00001
4.500	2.000	-.00984	.01240	.14849	-.00411	.00179	-.00041	.00001
4.500	3.000	.01089	.00815	.15223	-.00408	.00167	-.00048	.00014
4.500	4.000	.02937	.00663	.16346	-.00372	.00125	-.00050	.00061
4.500	5.000	.05250	.00009	.16236	-.00391	.00104	-.00055	.00122
4.500	6.000	.07498	-.00680	.16041	-.00419	.00092	-.00058	.00171
4.500	7.000	.09795	-.01374	.15789	-.00480	.00097	-.00058	.00215
4.500	8.000	.12281	-.02132	.15579	-.00587	.00114	-.00060	.00288
4.500	9.000	.14905	-.02951	.15371	-.00642	.00110	-.00055	.00347
4.500	10.000	.17582	-.03761	.15141	-.00647	.00099	-.00043	.00368
	GRADIENT	.02307	-.00593	-.00185	.00021	-.00017	-.00004	.00004

AEDC VA422 1A61 OIETIS1 O/ET DATA (SRB SEPRNG)

(RTQ069) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 750.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 03.000

RUN NO. 173/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.26901	.07559	.19043	-.00553	.00228	-.00029	.00190
4.500	-9.000	-.26704	.07543	.18913	-.00423	.00204	-.00034	.00081
4.500	-8.000	-.24857	.07291	.18589	-.00229	.00071	-.00020	.00165
4.500	-7.000	-.22715	.06921	.18122	-.00342	.00111	-.00014	.00190
4.500	-6.000	-.20254	.06330	.17598	-.00527	.00233	-.00010	.00101
4.500	-5.000	-.17512	.05507	.16976	-.00539	.00257	-.00009	.00046
4.500	-4.000	-.14816	.04685	.16375	-.00580	.00274	-.00027	.00041
4.500	-3.000	-.12235	.03909	.15766	-.00481	.00234	-.00025	.00009
4.500	-2.000	-.09726	.03158	.15186	-.00402	.00193	-.00025	.00005
4.500	-1.000	-.07158	.02392	.14610	-.00357	.00162	-.00026	.00016
4.500	-.000	-.04720	.01710	.14198	-.00335	.00152	-.00032	.00003
4.500	1.000	-.02912	.01534	.14644	-.00343	.00165	-.00029	-.00034
4.500	2.000	-.01174	.01419	.15282	-.00365	.00173	-.00031	-.00039
4.500	3.000	.00870	.01001	.15375	-.00341	.00141	-.00038	-.00000
4.500	4.000	.03119	.00389	.15320	-.00294	.00094	-.00037	.00046
4.500	5.000	.05452	-.00312	.15089	-.00302	.00065	-.00039	.00112
4.500	6.000	.07705	-.01017	.14822	-.00372	.00073	-.00048	.00162
4.500	7.000	.10040	-.01737	.14504	-.00430	.00074	-.00040	.00213
4.500	8.000	.12672	-.02601	.14153	-.00518	.00079	-.00041	.00291
4.500	9.000	.15315	-.03472	.13898	-.00586	.00080	-.00042	.00354
4.500	10.000	.18022	-.04283	.13647	-.00625	.00079	-.00028	.00389
GRADIENT		.02247	-.00539	-.00133	.00026	-.00018	-.00002	.00002

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 OIETISI O/ET DATA (SRB SEPRNG)

(RTQ070) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 750.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 174/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CA	CY	CYN	CBL	ALPHA
4.500	-10.000	-.06507	.02250	.17632	.29545	-.08467	.03162	-.10707
4.500	-9.000	-.06596	.02284	.16727	.25635	-.07095	.02702	-.10262
4.500	-8.000	-.06523	.02237	.16136	.22077	-.05894	.02284	-.09959
4.500	-7.000	-.06554	.02343	.15834	.18994	-.05054	.01981	-.09591
4.500	-6.000	-.06363	.02351	.15719	.15893	-.04256	.01770	-.09272
4.500	-5.000	-.06681	.02580	.15575	.13153	-.03618	.01427	-.09010
4.500	-4.000	-.06756	.02598	.15340	.10217	-.02842	.01112	-.08891
4.500	-3.000	-.06854	.02628	.15072	.07392	-.02056	.00802	-.08758
4.500	-2.000	-.06360	.02262	.14590	.04496	-.01210	.00512	-.08731
4.500	-1.000	-.06102	.02032	.14171	.01718	-.00481	.00210	-.08688
4.500	-.000	-.06090	.02035	.14016	-.01257	.00375	-.00120	-.08557
4.500	1.000	-.06409	.02357	.14347	-.04172	.01168	-.00426	-.08305
4.500	2.000	-.06639	.02600	.14746	-.07068	.01990	-.00744	-.08180
4.500	3.000	-.06706	.02689	.14973	-.10042	.02802	-.01068	-.08119
4.500	4.000	-.06717	.02671	.15253	-.12901	.03507	-.01345	-.08239
4.500	5.000	-.06755	.02609	.15583	-.15757	.04221	-.01636	-.08505
4.500	6.000	-.06706	.02554	.15650	-.18741	.04985	-.01948	-.08550
4.500	7.000	-.06839	.02619	.15834	-.21765	.05786	-.02257	-.08590
4.500	8.000	-.07151	.02795	.16478	-.25451	.07043	-.02674	-.08797
4.500	9.000	-.07408	.02940	.17244	-.29153	.08304	-.03089	-.09064
4.500	10.000	-.07563	.02971	.17945	-.32761	.09475	-.03447	-.09429
	GRADIENT	-.00006	.00015	-.00001	-.02894	.00793	-.00308	.00078

ORIGINAL PAGE IS
OF POOR QUALITY

DATE 25 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET1S1 0/ET DATA (SRB SEPRTNG)

(RTQ071) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 172/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.25266	.06220	.17828	-.00581	.00257	-.00031	-.00188
4.500	-9.000	-.23839	.05961	.17613	-.00594	.00281	-.00027	-.00208
4.500	-8.000	-.21468	.05663	.17247	-.00483	.00193	-.00017	-.00103
4.500	-7.000	-.21494	.05861	.17193	-.00296	.00102	-.00030	-.00082
4.500	-6.000	-.19522	.05629	.16991	-.00494	.00208	-.00034	-.00081
4.500	-5.000	-.17118	.05067	.16693	-.00528	.00245	-.00020	-.00109
4.500	-4.000	-.14640	.04439	.16446	-.00474	.00219	-.00029	-.00087
4.500	-3.000	-.12181	.03794	.16294	-.00425	.00194	-.00022	-.00062
4.500	-2.000	-.09630	.03057	.16044	-.00381	.00169	-.00015	-.00029
4.500	-1.000	-.06968	.02230	.15575	-.00322	.00134	-.00016	.00009
4.500	.000	-.03941	.01089	.15043	-.00317	.00182	-.00084	-.00094
4.500	1.000	-.01882	.00642	.14550	-.00302	.00173	-.00069	-.00066
4.500	2.000	.00754	-.00255	.14210	-.00604	.00366	-.00179	-.00159
4.500	3.000	.02774	-.00723	.13840	-.00884	.00529	-.00283	-.00203
4.500	4.000	.05512	-.01802	.13396	-.00857	.00514	-.00449	-.00177
4.500	5.000	.08544	-.03107	.12994	-.00438	.00242	-.00319	.00010
4.500	6.000	.12822	-.05463	.12177	-.00514	.00226	-.00116	.00156
4.500	7.000	.20537	-.10530	.11186	-.00568	.00271	-.00106	.00142
4.500	8.000	.28660	-.15855	.10148	-.00613	.00284	-.00089	.00148
4.500	9.000	.35355	-.19987	.09462	-.00511	.00232	-.00091	.00164
4.500	10.000	.40427	-.22836	.09429	-.00386	.00207	-.00213	.00094
	GRADIENT	.02542	-.00796	-.00389	-.00026	.00024	-.00039	-.00005

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ETIS1 O/ET DATA (SRB SEPRING)

(RTQ072) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 3.000 R-SRB = 3.000
 SRBPOS = 3.300 PT-JET = 1500.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = 402.200
 Y = 546.500 Z = 703.000

RUN NO. 171/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CA	CY	CYN	CBL	ALPHA
4.500	-10.000	-.01826	-.01386	.16993	.31455	-.10047	.03514	-.13253
4.500	-9.000	-.03033	-.00401	.16673	.27633	-.08654	.03112	-.12255
4.500	-8.000	-.04150	.00423	.16186	.23673	-.07106	.02590	-.11418
4.500	-7.000	-.04986	.01057	.15713	.19901	-.05691	.02129	-.10689
4.500	-6.000	-.05906	.01747	.15247	.15930	-.04172	.01723	-.09933
4.500	-5.000	-.05931	.01784	.15014	.12836	-.03340	.01375	-.09716
4.500	-4.000	-.05998	.01850	.15244	.10147	-.02769	.01100	-.09687
4.500	-3.000	-.06214	.02056	.15641	.07434	-.02055	.00832	-.09593
4.500	-2.000	-.06106	.02012	.15498	.04496	-.01170	.00516	-.09444
4.500	-1.000	-.05982	.01873	.15114	.01659	-.00406	.00187	-.09361
4.500	.000	-.05873	.01813	.15032	-.01207	.00369	-.00128	-.09255
4.500	1.000	-.06075	.02031	.15251	-.04122	.01168	-.00436	-.09048
4.500	2.000	-.06601	.02520	.15562	-.06907	.01927	-.00755	-.08655
4.500	3.000	-.05707	.01719	.14863	-.09862	.02744	-.01140	-.08989
4.500	4.000	-.05942	.01842	.14653	-.12609	.03368	-.01437	-.08815
4.500	5.000	-.06017	.01813	.14648	-.15348	.04032	-.01719	-.08879
4.500	6.000	-.05506	.01391	.14810	-.18603	.05013	-.02074	-.09241
4.500	7.000	-.04058	.00360	.15880	-.23117	.06993	-.02562	-.10280
4.500	8.000	-.03037	-.00407	.16712	-.27517	.08847	-.03109	-.11109
4.500	9.000	-.02160	-.01120	.17089	-.31669	.10410	-.03630	-.11777
4.500	10.000	-.01280	-.01900	.17278	-.35746	.11962	-.04187	-.12506
4.500	GRADIENT	.00002	.00003	-.00057	-.02840	.00760	-.00316	.00103

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 OJET2S1 O/ET DATA (SRB SEPRTNG) (RTQ073) (-23-OCT-75 -)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = .000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 129/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.30571	.08341	.24772	.00137	-.00049	.00047	.00035
4.500	-9.000	-.28401	.08004	.24167	-.00038	.00015	.00061	.00074
4.500	-8.000	-.26218	.07647	.23557	-.00067	.00021	.00070	.00085
4.500	-7.000	-.23791	.07189	.22884	-.00044	.00006	.00065	.00083
4.500	-6.000	-.21302	.06668	.22265	-.00061	.00016	.00050	.00070
4.500	-5.000	-.18754	.06079	.21617	-.00119	.00050	.00044	.00045
4.500	-4.000	-.16182	.05432	.20873	-.00169	.00068	.00037	.00048
4.500	-3.000	-.13675	.04815	.20191	-.00143	.00056	.00034	.00037
4.500	-2.000	-.11175	.04206	.19558	-.00158	.00052	.00028	.00053
4.500	-1.000	-.08696	.03665	.19070	-.00155	.00042	.00022	.00062
4.500	.000	-.06203	.03107	.18646	-.00168	.00049	.00012	.00052
4.500	1.000	-.03766	.02546	.18315	-.00151	.00033	.00013	.00060
4.500	2.000	-.01280	.01948	.17969	-.00143	.00006	.00020	.00105
4.500	3.000	.01241	.01311	.17604	-.00150	-.00014	.00028	.00151
4.500	4.000	.03825	.00633	.17241	-.00206	-.00020	.00028	.00219
4.500	5.000	.06294	.00011	.16886	-.00229	-.00033	.00028	.00264
4.500	6.000	.08694	-.00622	.16431	-.00307	-.00043	.00026	.00357
4.500	7.000	.11298	-.01328	.16021	-.00296	-.00070	.00054	.00408
4.500	8.000	.13969	-.02041	.15646	-.00315	-.00050	.00079	.00368
4.500	9.000	.16636	-.02712	.15344	-.00383	-.00016	.00061	.00354
4.500	10.000	.19320	-.03363	.15094	-.00371	-.00034	.00061	.00372
	GRADIENT	.02498	-.00597	-.00453	-.00005	-.00010	-.00001	.00020

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TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET2S1 O/ET DATA (SRB SEPRTNG)

(RTQ074) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = .000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 130/ 0 RN/L = 1.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CA	CY	CYN	CBL	ALPHA
4.500	-10.000	-.06464	.02332	.20426	.29471	-.08642	.03490	-.12387
4.500	-9.000	-.06581	.02471	.20187	.25883	-.07522	.03076	-.11999
4.500	-8.000	-.06605	.02563	.20080	.22375	-.06429	.02675	-.11662
4.500	-7.000	-.06694	.02696	.19902	.19039	-.05412	.02286	-.11283
4.500	-6.000	-.06855	.02884	.19729	.15904	-.04520	.01914	-.10860
4.500	-5.000	-.07067	.03055	.19539	.12879	-.03682	.01556	-.10520
4.500	-4.000	-.07349	.03176	.19258	.09975	-.02920	.01222	-.10312
4.500	-3.000	-.07620	.03304	.19030	.07236	-.02120	.00917	-.10106
4.500	-2.000	-.07773	.03429	.18833	.04538	-.01364	.00603	-.09791
4.500	-1.000	-.07751	.03407	.18561	.01754	-.00534	.00265	-.09567
4.500	.000	-.07701	.03419	.18562	-.00976	.00250	-.00075	-.09373
4.500	1.000	-.07731	.03501	.18780	-.03795	.01074	-.00416	-.09218
4.500	2.000	-.07585	.03466	.18945	-.06481	.01772	-.00755	-.09088
4.500	3.000	-.07566	.03487	.19124	-.09308	.02464	-.01105	-.08982
4.500	4.000	-.07649	.03498	.19157	-.11821	.02992	-.01353	-.08937
4.500	5.000	-.07559	.03394	.19057	-.14724	.03749	-.01683	-.08891
4.500	6.000	-.07409	.03260	.19156	-.17793	.04615	-.02046	-.08938
4.500	7.000	-.07290	.03127	.19373	-.21031	.05559	-.02426	-.09065
4.500	8.000	-.07310	.03056	.19543	-.24411	.06559	-.02832	-.09183
4.500	9.000	-.07304	.02952	.19703	-.27809	.07608	-.03218	-.09345
4.500	10.000	-.07275	.02810	.19971	-.31194	.08628	-.03569	-.09604
GRADIENT		-.0002P	.00034	-.00019	-.02749	.00749	-.00327	.00171

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET2S1 O/ET DATA (SRB SEPRING)

(RTQ075) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 128/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	BETA
4.500	-10.000	-.00261	-.00413	.18233	.00455	-.00460	.00082	.00198
4.500	-9.000	.01757	-.00588	.17655	.00845	-.00660	.00109	.00266
4.500	-8.000	.03751	-.00922	.17005	.01035	-.00688	.00138	.00153
4.500	-7.000	.05783	-.01295	.16285	.00905	-.00552	.00122	.00020
4.500	-6.000	.07862	-.01639	.15638	.00780	-.00409	.00081	-.00138
4.500	-5.000	.09992	-.01949	.15021	.00608	-.00222	.00004	-.00346
4.500	-4.000	.11818	-.02075	.14393	.00577	-.00193	-.00025	-.00337
4.500	-3.000	.13698	-.02132	.13869	.00542	-.00228	-.00008	-.00170
4.500	-2.000	.15612	-.02145	.13360	.00641	-.00274	.00012	-.00132
4.500	-1.000	.17624	-.02108	.12853	.00738	-.00289	.00001	-.00166
4.500	.000	.19750	-.01982	.12387	.01083	-.00384	-.00004	-.00298
4.500	1.000	.21637	-.01711	.11969	.01400	-.00223	-.00042	-.01018
4.500	2.000	.23563	-.01487	.11462	.01297	-.00034	-.00063	-.01309
4.500	3.000	.25806	-.01493	.10975	.01201	-.00059	-.00048	-.01090
4.500	4.000	.28173	-.01657	.10529	.01138	-.00161	-.00034	-.00723
4.500	5.000	.30674	-.01949	.10198	.01157	-.00263	.00069	-.00458
4.500	6.000	.33055	-.02266	.09907	.01103	-.00420	.00128	.00029
4.500	7.000	.35271	-.02393	.09640	.00993	-.00489	.00155	.00368
4.500	8.000	.37122	-.02322	.09499	.00929	-.00523	.00158	.00566
4.500	9.000	.38964	-.02225	.09402	.00832	-.00579	.00158	.00856
4.500	10.000	.40966	-.02164	.09269	.00612	-.00459	.00101	.00865
	GRADIENT	.02046	.00049	-.00481	.00081	.00009	-.00000	-.00073

DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 01ET2S1 O/ET DATA (SRB SEPRTNG)

(RTQ076) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 190.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 127/ 0 RN/L = 1.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CA	CY	CYN	CBL	ALPHA
4.500	-10.000	.19169	-.02035	.13986	.13209	-.02387	.01887	.09556
4.500	-9.000	.19498	-.02423	.13529	.11752	-.02431	.01844	.09269
4.500	-8.000	.19699	-.02722	.13156	.10579	-.02433	.01785	.08997
4.500	-7.000	.20238	-.02997	.12803	.09728	-.02449	.01700	.09121
4.500	-6.000	.20599	-.03020	.12506	.08742	-.02592	.01664	.09541
4.500	-5.000	.20385	-.02850	.12241	.07639	-.02898	.01567	.09752
4.500	-4.000	.20026	-.02609	.12130	.05613	-.02767	.01283	.09894
4.500	-3.000	.19395	-.02228	.12127	.03412	-.01896	.00787	.09992
4.500	-2.000	.18942	-.02034	.12203	.02294	-.01277	.00498	.09859
4.500	-1.000	.18831	-.02009	.12252	.01296	-.00577	.00179	.09743
4.500	-.000	.18791	-.02049	.12249	.00087	.00021	-.00104	.09590
4.500	1.000	.18907	-.02141	.12286	-.01409	.00625	-.00373	.09476
4.500	2.000	.19108	-.02267	.12268	-.03193	.01144	-.00654	.09402
4.500	3.000	.19773	-.02620	.12234	-.05272	.01705	-.01007	.09350
4.500	4.000	.20731	-.02926	.12108	-.06193	.01772	-.01275	.09731
4.500	5.000	.20821	-.02792	.12222	-.06514	.01482	-.01350	.10018
4.500	6.000	.20159	-.02574	.12456	-.07864	.01352	-.01401	.09434
4.500	7.000	.19601	-.02540	.12616	-.09156	.01243	-.01413	.08816
4.500	8.000	.18749	-.02356	.12901	-.10674	.01108	-.01443	.08356
4.500	9.000	.18350	-.02123	.13095	-.12450	.01071	-.01481	.08294
4.500	10.000	.17943	-.01806	.13186	-.14383	.01126	-.01569	.08446
	GRADIENT	.00060	-.00025	.00003	-.01434	.00517	-.00300	-.00022

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DATE 26 NOV 75

TABULATED SOURCE DATA, AEDC VA 422, 1A61

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AEDC VA422 1A61 OIETIS1 O/ET DATA (SRB SEPRING)

(RTQ077) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.760 BETA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 137/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	CPC	CPB1	CPB2	BETA
4.500	-10.047	-.00300	-.00334	.18247	.00622	-.00439	.00075	.13476	.11857	-.06927	.00297
4.500	-4.977	.09819	-.01631	.15090	.00576	-.00194	-.00029	.12023	.10283	-.06838	-.00202
4.500	.122	.18881	-.00944	.12694	.01040	-.00320	-.00026	.10398	.07680	-.06942	-.00393
4.500	5.245	.29712	-.00888	.10477	.00993	-.00400	.00127	.08921	.07635	-.06853	-.00091
4.500	10.383	.41405	-.01993	.09490	.00480	-.00343	.00065	.06415	.05579	-.06942	.00408
	GRADIENT	.01777	.06135	-.00470	.00091	-.00025	.00001	-.00319	-.00510	-.00020	-.00038

AEDC VA422 1A61 OIETIS1 O/ET DATA (SRB SEPRING)

(RTQ078) (23 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1052.0000 IN.XT
 LREF = 1290.3000 IN. YMRP = .0000 IN.YT
 BREF = 1290.3000 IN. ZMRP = 447.0000 IN.ZT
 SCALE = .0100

PARAMETRIC DATA

L-SRB = 1.000 R-SRB = 1.000
 SRBPOS = 1.100 PT-JET = 1500.000
 RN/L = 1.760 ALPHA = .000
 TO-JET = 100.000 X = .000
 Y = .000 Z = .000

RUN NO. 138/ 0 RN/L = 1.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CN	CLM	CA	CY	CYN	CBL	CPC	CPB1	CPB2	ALPHA
4.500	-10.045	.18276	-.01296	.13676	.12789	-.02034	.01751	.10519	.09413	-.06942	.09441
4.500	-4.970	.20171	-.02595	.12342	.08089	-.03198	.01632	.11597	.09210	-.06942	.09504
4.500	-.000	.17877	-.01174	.12629	.00382	-.00064	-.00106	.10815	.07949	-.06942	.10288
4.500	5.058	.20690	-.02609	.12317	-.06844	.01604	-.01397	.11690	.08977	-.06823	.10740
4.500	10.136	.17343	-.01352	.13189	-.14445	.01086	-.01548	.10709	.09038	-.06809	.09806
	GRADIENT	-.00462	.00286	.00058	-.01551	.00631	-.00350	-.00157	-.00254	.00000	.00158

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(RTQ079) (23 OCT 75)

PARAMETRIC DATA

L-SRB	=	2.000	R-SRB	=	2.000
SRBPOS	=	2.200	PT-JET	=	1500.000
RN/L	=	1.760	BETA	=	.000
TO-JET	=	100.000	X	=	147.000
Y	=	216.800	Z	=	259.400

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	CPC	CPB1	CPB2	BETA
4.500	-10.020	-.05795	.05256	.19503	-.00750	.01028	-.00309	.13885	.13227	.13255	-.04554
4.500	-4.961	.12068	-.03633	.14741	.00134	.00920	-.00118	.13480	.12355	.12115	-.03867
4.500	.101	.29009	-.09037	.12346	.00301	.00425	-.00135	.12939	.10365	.10382	-.01357
4.500	5.143	.41143	-.14148	.12250	.01065	.00009	-.00070	.09705	.06675	.06871	.00341
4.500	10.211	.49579	-.13519	.11325	.01737	-.00441	-.00267	.08070	.05049	.04944	.03111
	GRADIENT	.03347	-.01068	-.00473	.00033	-.00098	-.00003	-.00107	-.00393	-.00342	.00496

(RTQ080) (23 OCT 75)

PARAMETRIC DATA

L-SRB	=	2.000	R-SRB	=	2.000
SRBPOS	=	2.200	PT-JET	=	1500.000
RN/L	=	1.760	ALPHA	=	.000
TO-JET	=	100.000	X	=	147.000
Y	=	216.800	Z	=	259.400

[illegible]

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(RTQ081) (23 OCT 75)

PARAMETRIC DATA

L-SRB	=	3.000	R-SRB	=	3.000
SRBPOS	=	3.300	PT-JET	=	1500.000
RN/L	=	1.760	BETA	=	.000
TO-JET	=	100.000	X	=	402.200
Y	=	546.500	Z	=	703.000

MACH	ALPHA	CN	CLM	CA	CY	CYN	CBL	CPC	CPB1	CPB2	BETA
4.500	-10.186	-.25656	.06322	.17908	-.00447	.00204	-.00013	.09541	.09359	.09314	-.00220
4.500	-5.136	-.17394	.05174	.16758	-.00493	.00226	-.00022	.05537	.05300	.05359	-.00107
4.500	-.116	-.04318	.01321	.15063	-.00324	.00148	-.00062	.02630	.01918	.02068	-.00004
4.500	4.948	.08771	-.03270	.12981	-.00440	.00208	-.00322	.02340	.01365	.01409	.00179
4.500	9.890	.40756	-.23068	.09461	-.00325	.00180	-.00235	.01583	.00129	.00007	.00257
	GRADIENT	.02585	-.00907	-.00411	-.00023	.00012	-.00051	-.00057	-.00109	-.00130	.00036

(RTQ082) (23 OCT 75)

PARAMETRIC DATA

L-SRB	=	3.000	R-SRB	=	3.000
SRBPOS	=	3.300	PT-JET	=	1500.000
RN/L	=	1.760	ALPHA	=	.000
TO-JET	=	100.000	X	=	402.200
Y	=	546.500	Z	=	703.000

[illegible]